DUPLICATES w/ COMMENTS

UNIT SPECIFIC TECHNICAL MEMORANDUM: RENTSCHLER AIRPORT AREA PRATT & WHITNEY, EAST HARTFORD

AREA: North and South Airports

SUB-AREA: The Rentschler Airport

ENVIRONMENTAL UNIT: Rentschler Airport Runway Area

Location: The Rentschler Airport Runway Area is located to the east of the main facility south of Silver Lane, and to the north of Brewer Street (Drawing 1).

Description: The Rentschler Airport Runway Area was developed over the years and presently consists of two runways, each approximately one-mile long, running north to south and southwest to northeast.

Dates of Operation: The Rentschler Airport Runway Area was originally built in 1931, expanded over the years, and eventually closed in December 1994.

Processes: The Rentschler Airport Runway Area was used for the take-off and landing of a variety of commercial and military aircraft.

Specific Contaminants of Concern: The constituents of concern for the Rentschler Airport Runway Area are jet fuels and aviation gasoline.

Area-wide Classes of Contaminants: Jet fuels and aviation gasoline associated with inherent air traffic. Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted

Potential Release Mechanism: The most likely release mechanism in the Runway Area is potential spillage which could have affected the underlying soil and groundwater; however, the likelihood of a spill is low in these areas.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the potential for a release associated with this unit, a subsurface investigation to determine the degree and extent of soil contamination was performed in November 1997. Prior to 1997, two investigations were conducted in May 1993 and February 1990. Prior to 1990, no investigation had reportedly been performed.

Various supplemental groundwater investigations have also been conducted in the Rentschler Airport Area. Out of the seven monitoring wells in the immediate vicinity of the Airport Area

elevated concentrations of metals have been detected in three monitoring wells. Elevated concentrations of lead have been detected in both NA-MW-03 and NA-MW-04. Elevated concentrations of arsenic, lead, mercury, and zinc have also been detected in groundwater samples from SK-MW-08D. For a more detailed account of these sampling events refer to the LEA *Technical Memorandum 3 of Groundwater Sampling and Quality* dated March 30, 1998.

1990 through 1993 Investigations (Westinghouse and H&A):

Description: In the Rentschler Airport Area, four soil samples were collected during monitoring well installations conducted by Westinghouse in 1990. Samples were collected at SA-MW-01, SA-MW-02I (two samples), and SK-MW-08S. In total, the samples were analyzed for PCBs, VOCs, and metals by the Toxicity Characteristic Leaching Procedure (TCLP).

During the 1993 investigation two soil samples were also collected during monitoring well installations from SK-MW-16. The soil samples were analyzed for VOCs, PCBs, the RCRA 8 metals, and TPH. A summary of the samples collected and analyses performed during these two previous investigations is included in Table 1. Sampling locations are shown on Drawing 1.

Investigation Results: Only one VOC was detected in the soil sample collected from SK-MW-08S. Methylene Chloride (MC) was detected at a concentration close to the method detection limit in this sample. No other VOCs were detected in the soil samples that were submitted for laboratory analysis. One or more of the metals analyzed by TCLP were detected in one soil sample from SA-MW-02I. These metals included cadmium and lead, and were present in concentrations similar to reported concentrations of background metals present in the undeveloped land areas of the Airport / Klondike (F&O, 1994). No PCBs were detected in the soil samples submitted to the fixed laboratory during the 1990 soil investigation.

Barium, chromium, lead, nickel, and zinc were the only metals detected in the soil sample submitted to the fixed laboratory during the 1993 investigation. The reported concentrations of metals were similar to background concentrations of metals (F&O, 1994). No VOCs, PCBs, or TPH were detected in the soil samples submitted during this investigation. Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2.

Data Evaluation and Conclusions: Minimal future investigations seem to be warranted in the Rentschler Airport Runway Area due to the low likelihood of a release and the lack of significant contaminant detects in the soil samples that were analyzed at the fixed laboratories.

Soil Samples taken from SA-MW-01 and SA-MW-02I are discussed in more detail in two separate Unit Specific Technical Memorandums, *Fire Training Area "B"* and the *Contractor Storage Area*, respectively.

November 1997 Investigation (LEA):

Description: During airport expansion activities conducted in 1945 fill was placed in low-lying areas of the North Airport. In order to investigate the potential for contaminated fill used in these low lying areas 39 Geoprobe® soil borings (NA-SB-63 through NA-SB-101) were advanced to a depth of 4 feet in various suspected low lying areas of the North Airport, based on historical

aerial photographs. Sampling locations are shown on Drawing 1. When visual or instrument evidence (flame ionization detector) indicated potential contamination, samples would be collected in 2-foot intervals to a depth of 16 feet or to the clay layer, which ever came first. Samples would then be screened for select VOCs in the LEA laboratory and at least one sample per boring would have been submitted for fixed laboratory analysis of VOCs, PCBs, SVOCs, TPH, and metals.

Investigation Results: Based on visual and instrument evidence no contaminated fill was encountered during this investigation. Therefore, no samples were submitted for laboratory analysis.

Data Evaluation and Conclusions: No further investigation is warranted in the Rentschler Airport Runway Area due to the low likelihood of a release, conformational laboratory analysis, and the lack of visual and instrument evidence that would have indicated that contamination was present.

Table 1
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: Rentschler Airport Area

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SA-MW-01	CAS 2075090	2/13/90	7.5	9.0	SB		x				x			
SA-MW-02I	CAS11010020	2/16/90	1.0	2.0	SB								X	
SA-MW-02I	CAS11060080	2/16/90	6.0	8.0	SB		x							
SK-MW-08S	CAS10090___	2/16/90	9.0		SB		X							
SK-MW-16	02165051393	5/13/93			SB		x							
SK-MW-16	02169051393	5/13/93			SB						x	X	x	X

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 03/31/98

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Table 2
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL
P&W East Hartford: Rentschler Airport Area

	Location ID	SA-MW-02I	SK-MW-08S	SK-MW-16				
	Sample ID	CAS11010020	CAS10090	02169051393				
	Sample Date	02/16/1990	02/16/1990	05/13/1993				
	Sample Time		:					
	Sample Depth	1.0' - 2.0'	9.0'					
	Laboratory	NETA	NETA	ENS				
	Lab. Number	NETA09009	NETA09014	0286960002SA				
Constituent	Units							
Date Metals Analyzed	-			05/26/1993				
Barium	mg/kg			13.8				
Cadmium (TCLP)	mg/l	0.005						
Chromium (Total)	mg/kg			5.6				
Lead	mg/kg			2.5				
Lead (TCLP)	mg/l	0.130						
Nickel	mg/kg			6.4				
Zinc	mg/kg			20				
Corrosivity	µnits			6.9				
Methylene Chloride	µg/kg		10					

Notes: 1. Only Detects Shown

2. Printed on 03/31/98

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Control Zinc result

UNIT SPECIFIC TECHNICAL MEMORANDUM: M.E.R.L. AREA
PRATT & WHITNEY, EAST HARTFORD

AREA: North Klondike

SUB-AREA: M.E.R.L. Area

ENVIRONMENTAL UNITS: M.E.R.L. Explosives Forming, Control Room, Storage Building, Undesignated Building

Location: North Klondike (Suntan Area), first road south on main access road, from perimeter road (Drawing 1).

Description: The dimensions of these units are given below:

M.E.R.L. Explosives Forming – 26.5' x 34'
Control room – 12' x 15'
Storage Building – 8' x 8'
Undesignated Building – 12' x 20.5'

Presently, only the foundation remains of the above structures.

Dates of Operation: These M.E.R.L. Area units were used approximately from 1957 to 1993.

Processes: THE M.E.R.L. Explosives Forming was used for storage of various supplies and equipment, including asbestos matting and rope. The Control Room was used for jet engine testing. The Storage Building was used for material storage. The Undesignated Building was a test shed for explosives.

Specific Contaminants of Concern: The contaminants of concern of these units typically include jet fuels, cleaning solvents, and potentially asbestos in some areas

Area-wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted.

Potential Release Mechanisms: The most likely release mechanism in the M.E.R.L. Area is potential spillage and/or leakage which could affect the underlying soil and groundwater, however, the potential impact to the environment from a release inside a building is relatively low, since any contaminant spills and/or leakage (containing VOCs, SVOCs, PCBs, Metals, and TPH) most likely would have been contained within the building.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Since any release would have most likely been contained within the buildings, no further action is warranted in these units. Two separate investigations (*Fire Training Area "D"* and the *M.E.R.L. Drywell Area*) were conducted in this area and are discussed independently

UNIT SPECIFIC TECHNICAL MEMORANDUM: X-407 AREA
PRATT & WHITNEY, EAST HARTFORD

AREA: North Klondike

SUB-AREA: X-407

ENVIRONMEATAL UNITS: Test Cell X-404, Test Cell X-405, Test Cell X-406, Test Cell X-407, Test Cell X-408, X-408 Test Rig Room, Test Cell X-409, Compressor Building, North Klondike Pump House

Location: In the North Klondike (Suntan) Area; third road north on the north access road, from Perimeter Road (Drawing 1). The respective environmental units are located as follows: Test Cells X-404, X-405, X-406, and X-407 - within northernmost building; X-408 -on west side of Access Road; X-409 - within westernmost building; Compressor building - east of Test Cell X-409; North Klondike Pump House -north of main access road, western side of third road north.

Description: The main building which housed Test Cells X-404, X-405, X-406, and X-407 was approximately 20'x40' and was constructed of metal and concrete.

Test Cell X-408 was approximately 11.5' x 19.5' which was concrete floored and roofed with corrugated metal.

The X-408 Test Rig Room was approximately 25' x 30' which was concrete floored and constructed of corrugated metal.

The compressor building was approximately 27.25' x 11.25' and constructed of cinder block walls with a corrugated aluminum roof.

The North Klondike Pump House was a 12' x 12' building constructed of concrete block.

Presently, only the foundations remain for all of these structures.

Dates of Operation: Test Cells X-404, X-405, X-406, X-407, X-408, X-408 Test Rig Room, X-409, and the Compressor Building were used from approximately 1957 to 1993.

The North Klondike Pump House was used from approximately 1957 to 1993.

Processes: Test Cells X-404, X-405, X-406, X-407, X-408, X-409, and the X-408 Test Rig Room were used for the testing of engines.

The compressor building was used to generate pressurized air for engine tests.

The North Klondike Pump House was a booster pump location for water supply.

Specific Contaminants of Concern: The Test Cells mainly used jet fuels and cleaning solvents. The compressor building may have used oils containing PCBs.

The North Klondike Pump House may have contained lubricating oils and jet fuels.

Area-Wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted

Potential Release Mechanism: The most likely release mechanism for Test Cells X-404, X-405, X-406, X-407, X-408, X-409, the X-408 Test Rig Room, the Compressor Building, and the North Klondike Pump House is potential spillage and or leakage which could affect the underlying soil and groundwater; however, the likelihood for a spill was low since it would have most likely occurred within each of the aforementioned buildings.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the low likelihood for a spill no further investigation is warranted of the above mentioned environmental units in this area. A separate environmental assessment of the former PCB Storage *Area (X-407 PCB Storage Building)* was conducted independently.

UNIT SPECIFIC TECHNICAL MEMORANDUM: X-410 AREA
PRATT & WHITNEY, EAST HARTFORD

AREA: North Klondike

SUB-AREA: X-410 Area

ENVIRONMENTAL UNIT: Storage Room X-442 (Originally X-196A), Control Room X-196, X-410 (Originally X-196A), X-411 (Originally X-196A), Control Room X-411, Compressor Room X-411, X-412 (Originally X-196B), Storage and Maintenance Building

Location: North Klondike (Suntan) Area, second road south on main access road, from Perimeter Road (Drawing 1).

Description: The approximate dimensions of these units are:

Storage Room X-442 - 11.5' x 13.5' building

Control Room X-106 - 10' x 7' building

X-410 - 14' x 8' open-ended room with a floor drain, which discharged via a 4-inch pipe to a drainage swale to the south

X-411 - 14' x 25' room

Control Room X-411 - 13' x 29' room

Compressor Room X-411 - 20' x 23' room with two floor drains which possibly discharged to a drainage swale to the south

X-412 - 19' x 21' room

Presently only the foundations remain for all of the units in this area.

Dates of Operation: All units except the Storage and Maintenance Building in the X-410 Area started operation around 1957. The date the Storage and Maintenance Building was built is unknown, but it is estimated to be in the early 1960s. All units were demolished in 1993, except for the Control Room X-411 which was decommissioned in 1968.

Processes: The Storage Room X-442, Control Room X-196, X-410, Control Room X-411 were used for testing of jet engines.

X-411 was used as a testing facility for small combustion components such as gas turbine main burners.

The Compressor Room X-411 supplied compressed air to the test stands.

X-412 was a fire safety standards test facility for investigating fire resistance of fuel control and gearbox components.

Compressed gasses (oxygen and acetylene) along with batteries and lighting ballasts were stored in the Storage and Maintenance Building. Typical maintenance activities included welding, torch cutting, and vehicle maintenance.

Specific Contaminants of Concern: Control Room X-442, Control Room X-196, and Control Room X-411 - Jet fuels and cleaning solvents

X-410 and X-411 - Jet fuels and methanol fuels

Compressor Room X-411 - Jet fuels, cleaning solvents, and lubricating oils

X-412 - Compressed air, jet fuels (JP-4 and JP-5), and propane for heating

Storage and Maintenance Building - Batteries and light ballasts potentially containing lead, mercury, cadmium, and PCBs.

Area-wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted.

Potential Release Mechanism: The most likely release mechanism at all of these units is potential spillage and/or leakage which could affect the underlying soil and groundwater; however, the likelihood for spill is low and would most likely have occurred within the building.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the potential for a release associated with these units, a subsurface investigation to determine the degree and extent of soil and groundwater contamination was performed in 1993. Prior to 1993, four soil gas probes were located around the Storage and Maintenance Building during a site-wide soil gas study conducted by Target Environmental Services in December of 1989.

1993 Investigation:

Description: On June 3, 1993, a soil sample was collected from Boring NK-SS-06 and submitted for laboratory analyses for VOCs and PCBs (Metcalf & Eddy, 1993). The location of the soil boring is presented on Drawing 1. Specific analyses performed on the sample from the X-410 Area is presented on Table 1.

On July 7, 1993, a soil sample was collected from Boring NK-SS-11 and submitted for laboratory analysis for beryllium. This boring was conducted as part of an investigation of the X-448 Area (originally X-194) which lies to the east of the X-410 Area.

Investigation Results: In the two samples collected and analyzed, only beryllium was detected in one of the samples (NK-SS-11) at 0.31 mg/kg which exceeds the DEP-proposed reference value (DEP, 1994). This concentration is typical of the levels encountered throughout the area. No other metals, VOCs, SVOCs, PCBs, or pesticides were detected in these samples. Concentrations of all detected constituents for the X-410 Area is presented in Table 2.

Data Evaluation and Conclusions: The low concentration of beryllium detected in sample NK-SS-11 may be associated with operations at the nearby X-194 (X-448) Area known as the Beryllium Area, rather than the units in this X-410 Area. As a result, no further action is warranted in these areas.

Separate investigations were conducted on three other units in this sub-area (*X-410 Drain Pipe, Maintenance and Storage Septic System*, and *X-410 Oil Rack*) and are discussed independently

Table 1
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: X-410 Areas

Sample Information					Analysis Information								
Location ID	Sample ID	Sample Date	From (ft) To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SS-06	01035060393	6/3/93		SS		x			x	x			
NK-SS-11	01115070793	7/7/93		SS							X		

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 03/31/98

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Table 2
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL
P&W East Hartford: X-410 Areas

	Location ID	NK-SS-11						
	Sample ID	01115070793						
	Sample Date	07/07/1993						
	Laboratory	ENS						
	Lab. Number	0293190004SA						
Constituent	Units							
Date Metals Analyzed	-	07/13/1993						
Beryllium	mg/kg	0.31						

Notes: 1. Only Detects Shown
2. Printed on 03/31/98

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UNIT SPECIFIC TECHNICAL MEMORANDUM: X-430 AREA
PRATT & WHITNEY, EAST HARTFORD

AREA: North Klondike

SUB-AREA: X-430 Area

ENVIRONMENTAL UNITS: Test Cell X-430 (originally X-191D), Test Cell X-431 (originally X-191C), Test Cell X-432 (originally X-191B), Test Cell X-433 (originally X-191A), Test Cell X-434, Test Cell X-435 (originally X-191C), Test Cell X-436

Location: North Klondike (Suntan) Area, fifth road north on main access road, from Perimeter Road (Drawing 1).

Description: The dimensions of these units are given below:

Test Cell X-430 - 16' x 20' room

Test Cell X-431 - 10.25' x 20' room

Test Cell X-432 - 16' x 20' room

Test Cell X-433 - 16' x 20' room

Test Cell X-434 - 15.5' x 15' room

Test Cell X-435 - 10.25' x 20' room

Test Cell X-436 - 15.5' x 15' room

The X-430 control room had a tile floor. Presently, only the foundation remains for all of these structures.

Dates of Operation: Approximately 1957 to 1993.

Processes: Jet engine testing.

Specific Contaminants of Concern: Jet fuels and cleaning solvents.

Area-wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted.

Potential Release Mechanisms: The most likely release mechanism for Test Cells X-430, X-431, X-432, X-433, X-434, X-435, and X-436 is potential spillage and or leakage which could affect the underlying soil and groundwater; however, the potential impact to the environment from a release inside these Cells is relatively low, since any contaminant spills and/or leakage (containing VOCs, SVOCs, PCBs, Metals, and TPH) would most likely have been contained within the building.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Since the likelihood of a spill is low no further investigation is warranted for these environmental units. Two separate investigations were conducted in the X-430 Area (*X-430 Stainless Steel Tank* and *X-430 Above Ground Storage Tank*) and should be referred to independently.

Sample - from 4/9 meeting

Table 2
SUMMARY OF ANALYTICAL RESULTS
P&W East Hartford: AIRPORT/KLONDIKE

	Location ID	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-02
	Sample ID	03011111491	03011060992	1011995	1016642	1016643	1647387	03021111491
	Sample Date	11/15/1991	06/10/1992	03/19/1996	08/06/1996	08/06/1996	11/20/1997	11/15/1991
	Sample Time			11:52	09:50	09:50	11:42	
	Sample Depth	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	4.8' - 14.8'
	Laboratory	CEIM	CEIM	AEL	AEL	AEL	QUAN	CEIM
	Lab. Number	910637-04	920297-05	AEL96002750	AEL96008727	AEL96008728	A7K240137028	910637-05
Constituent	Units							
Depth of Well	FT				15.0	15.0	15.1	
Depth to Water	FT			3.60	5.1	5.1	4.85	
Specific Conductivity (field)	µmhos				59	59	52	
Temperature	c deg							
Water Elevation	FT			42.49	40.99	40.99	41.24	
pH (field)	SU				5.45	5.45	5.53	
Date Metals Analyzed	-				08/12/1996	08/12/1996	12/07/1997	
Date Organics Analyzed	-			04/02/1996	08/14/1996	08/14/1996		
Date PCBs Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Semi-volatile Organics alyzed	-							
Diallate	µg/L							
D,2,4-	µg/L							
Dinoseb	µg/L							
Silvex	µg/L							
Antimony	mg/L							
Arsenic	mg/L	<.005 U	<.005 U		<0.004	<0.004	<0.0100 U	<.005 U
Barium	mg/L	0.05	.03		0.050	0.056	<0.200 U	0.02
Beryllium	mg/L							
Cadmium	mg/L	0.005	<.01 U		<0.0010	<0.0010	<0.0050 U	<.005 U
Chromium	mg/L				<0.010	<0.010	<0.0100 U	
Chromium (Dissolved)	mg/l							
Chromium (Total)	mg/l	<.01 U	<.01 U					<.01 U
Cobalt	mg/L							
Copper	mg/L	<.01 U	<.01 U					<.01 U
Iron	mg/l							
Lead	mg/L	0.015	<.005 U		<0.0050	<0.0050	<0.0030 U	0.012
Mercury	mg/L	<.0008 U	<.0008 U		<0.0004	<0.0004	<0.00020 U	<.0008 U

DUPLICATES

Notes: 1. Printed on 04/07/98

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Table 2
SUMMARY OF ANALYTICAL RESULTS
P&W East Hartford: AIRPORT/KLONDIKE

	Location ID	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-02
	Sample ID	03011111491	03011060992	1011995	1016642	1016643	1647387	03021111491
	Sample Date	11/15/1991	06/10/1992	03/19/1996	08/06/1996	08/06/1996	11/20/1997	11/15/1991
	Sample Time			11:52	09:50	09:50	11:42	
	Sample Depth	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	4.8' - 14.8'
	Laboratory	CEIM	CEIM	AEL	AEL	AEL	QUAN	CEIM
	Lab. Number	910637-04	920297-05	AEL96002750	AEL96008727	AEL96008728	A7K240137028	910637-05
Constituent	Units							
Mercury (Total)	mg/l							
Nickel	mg/L	<.04 U	<.04 U		<0.020	<0.020	<0.0400 U	<.04 U
Selenium	mg/L	<.005 U	<.005 U		<0.010	<0.010	<0.0050 U	<.005 U
Silver	mg/L	<.02 U	<.01 U		<0.010	<0.010	<0.0100 U	<.02 U
Thallium	mg/L							
Tin	mg/L							
Vanadium	mg/L							
Zinc	mg/L	0.02	.01		<0.010	<0.010	<0.0200 U	<.01 U
PCB 1016	µg/L							
PCB 1221	µg/L							
PCB 1232	µg/L							
PCB 1242	µg/L							
PCB 1248	µg/L							
PCB 1254	µg/L							
PCB 1260	µg/L							
Acetylaminofluorene,2-	µg/L							
Aldrin	µg/L							
Aramite	µg/L							
BHC,alpha-	µg/L							
BHC,beta-	µg/L							
BHC,delta-	µg/L							
BHC,gamma-	µg/L							
Chlordane	µg/L							
Chlorobenzilate	µg/L							
DDD,p,p'-	µg/L							
DDE,p,p'-	µg/L							
DDT,p,p'-	µg/L							
Dibromo-3-chloropropane,1,2-	µg/L							

Notes: 1. Printed on 04/07/98

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Table 2
SUMMARY OF ANALYTICAL RESULTS
P&W East Hartford: AIRPORT/KLONDIKE

	Location ID	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-02
	Sample ID	03011111491	03011060992	1011995	1016642	1016643	1647387	03021111491
	Sample Date	11/15/1991	06/10/1992	03/19/1996	08/06/1996	08/06/1996	11/20/1997	11/15/1991
	Sample Time			11:52	09:50	09:50	11:42	
	Sample Depth	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	4.8' - 14.8'
	Laboratory	CEIM	CEIM	AEL	AEL	AEL	QUAN	CEIM
	Lab. Number	910637-04	920297-05	AEL96002750	AEL96008727	AEL96008728	A7K240137028	910637-05
Constituent	Units							
Dieldrin	µg/L							
Dimethoate	µg/L							
Disulfoton	µg/L							
Endosulfan I	µg/L							
Endosulfan II	µg/L							
Endosulfan Sulfate	µg/L							
Endrin	µg/L							
Endrin Aldehyde	µg/L							
Famphur	µg/L							
Heptachlor	µg/L							
Heptachlor Epoxide	µg/L							
Isodrin	µg/L							
Kepone	µg/L							
Methoxychlor	µg/L							
Methyl Parathion	µg/L							
Parathion	µg/L							
Phorate	µg/L							
Tetraethyl Dithiopyrophosphate	µg/L							
Thionazin	µg/L							
Toxaphene	µg/L							
Cyanide (Amenable)	mg/L							
Cyanide (Total)	mg/L							
Specific Conductivity	µmhos							
Sulfide (Total)	mg/L							
Total Petroleum Hydrocarbons	mg/L				<1.0	<1.0		
pH	SU							
Acenaphthene	µg/L							
Acenaphthylene	µg/L							

Notes: 1. Printed on 04/07/98

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Table 2
SUMMARY OF ANALYTICAL RESULTS
P&W East Hartford: AIRPORT/KLONDIKE

	Location ID	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-02
	Sample ID	03011111491	03011060992	1011995	1016642	1016643	1647387	03021111491
	Sample Date	11/15/1991	06/10/1992	03/19/1996	08/06/1996	08/06/1996	11/20/1997	11/15/1991
	Sample Time			11:52	09:50	09:50	11:42	
	Sample Depth	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	4.8' - 14.8'
	Laboratory	CEIM	CEIM	AEL	AEL	AEL	QUAN	CEIM
	Lab. Number	910637-04	920297-05	AEL96002750	AEL96008727	AEL96008728	A7K240137028	910637-05
Constituent	Units							
Acetophenone	µg/L							
Aminobiphenyl,4-	µg/L							
Aniline	µg/L							
Anthracene	µg/L							
Benzal Chloride	µg/l							
Benzidine	µg/L							
Benzo[a]anthracene	µg/L							
Benzo[a]pyrene	µg/L							
Benzo[b]fluoranthene	µg/L							
Benzo[ghi]perylene	µg/L							
Benzo[k]fluoranthene	µg/L							
Benzyl Alcohol	µg/L							
Benzyl Chloride	µg/l							
Bis(2-chloroethoxy)methane	µg/L							
Bis(2-chloroethyl) Ether	µg/L							
Bis(2-ethylhexyl)phthalate	µg/L							
Bromophenyl Phenyl Ether,4-	µg/L							
Butyl Benzyl Phthalate	µg/L							
Carbazole	µg/L							
Chloral	µg/l							
Chloroacetaldehyde	µg/l							
Chloroaniline,4-	µg/L							
Chloromethyl Methyl Ether	µg/l							
Chloronaphthalene,2-	µg/L							
Chlorophenol,2-	µg/L							
Chlorophenyl Phenyl Ether,4-	µg/L							
Chrysene	µg/L							
Cresol,2-	µg/L							

Notes: 1. Printed on 04/07/98

Table 2
SUMMARY OF ANALYTICAL RESULTS
P&W East Hartford: AIRPORT/KLONDIKE

	Location ID	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-02
	Sample ID	03011111491	03011060992	1011995	1016642	1016643	1647387	03021111491
	Sample Date	11/15/1991	06/10/1992	03/19/1996	08/06/1996	08/06/1996	11/20/1997	11/15/1991
	Sample Time			11:52	09:50	09:50	11:42	
	Sample Depth	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	4.8' - 14.8'
	Laboratory	CEIM	CEIM	AEL	AEL	AEL	QUAN	CEIM
	Lab. Number	910637-04	920297-05	AEL96002750	AEL96008727	AEL96008728	A7K240137028	910637-05
Constituent	Units							
Cresol,3-	µg/L							
Cresol,4-	µg/l							
Cresols	µg/L							
Di-n-butyl Phthalate	µg/L							
Di-n-octyl Phthalate	µg/L							
Dibenzo[a,h]anthracene	µg/L							
Dibenzofuran	µg/L							
Dichloro-2-butylene,1,4-trans-	µg/L							
Dichlorobenzidine,3,3'-	µg/L							
Dichlorophenol,2,4-	µg/L							
Dichlorophenol,2,6-	µg/L							
Diethyl Phthalate	µg/L							
Dimethyl Phthalate	µg/L							
Dimethylaminoazobenzene,4-	µg/L							
Dimethylbenzidine,3,3'-	µg/L							
Dimethylbenzo[a]anthracene,7,12-	µg/L							
Dimethylphenethylamine,alpha,alpha-	µg/L							
Dimethylphenol,2,4-	µg/L							
Dinitro-o-cresol,4,6-	µg/L							
Dinitrobenzene,1,3-	µg/L							
Dinitrophenol,2,4-	µg/L							
Dinitrotoluene,2,4-	µg/L							
Dinitrotoluene,2,6-	µg/L							
Diphenylamine	µg/L							
Diphenylhydrazine,1,2-	µg/L							
Ethyl Methanesulfonate	µg/L							
Fluoranthene	µg/L							
Fluorene	µg/L							

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Table 2
SUMMARY OF ANALYTICAL RESULTS
P&W East Hartford: AIRPORT/KLONDIKE

	Location ID	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-02
	Sample ID	03011111491	03011060992	1011995	1016642	1016643	1647387	03021111491
	Sample Date	11/15/1991	06/10/1992	03/19/1996	08/06/1996	08/06/1996	11/20/1997	11/15/1991
	Sample Time			11:52	09:50	09:50	11:42	
	Sample Depth	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	4.8' - 14.8'
	Laboratory	CEIM	CEIM	AEL	AEL	AEL	QUAN	CEIM
	Lab. Number	910637-04	920297-05	AEL96002750	AEL96008727	AEL96008728	A7K240137028	910637-05
Constituent	Units							
Hexachlorobenzene	µg/L							
Hexachlorobutadiene	µg/L							
Hexachlorocyclopentadiene	µg/L							
Hexachloroethane	µg/L							
Hexachlorophene	µg/L							
Hexachloropropylene	µg/L							
Indeno(1,2,3-cd)pyrene	µg/L							
Isophorone	µg/L							
Isosafrole	µg/L							
Methapyrilene	µg/L							
Methyl Methanesulfonate	µg/L							
Methylcholanthrene,3-	µg/L							
Methylnaphthalene,2-	µg/L							
N-nitroso-di-n-butylamine	µg/L							
N-nitroso-n-propylamine	µg/L							
N-nitrosodiethylamine	µg/L							
N-nitrosodimethylamine	µg/L							
N-nitrosodiphenylamine	µg/L							
N-Nitrosomethylethylamine	µg/L							
N-nitrosomorpholine	µg/L							
N-nitrosopiperidine	µg/L							
Naphthalene	µg/L							
Naphthoquinone,1,4-	µg/L							
Naphthylamine,alpha-	µg/L							
Naphthylamine,beta-	µg/L							
Nitro-o-toluidine,5-	µg/L							
Nitroaniline,2-	µg/L							
Nitroaniline,3-	µg/L							

Notes: 1. Printed on 04/07/98

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Table 2
SUMMARY OF ANALYTICAL RESULTS
P&W East Hartford: AIRPORT/KLONDIKE

	Location ID	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-02
	Sample ID	03011111491	03011060992	1011995	1016642	1016643	1647387	03021111491
	Sample Date	11/15/1991	06/10/1992	03/19/1996	08/06/1996	08/06/1996	11/20/1997	11/15/1991
	Sample Time			11:52	09:50	09:50	11:42	
	Sample Depth	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	4.8' - 14.8'
	Laboratory	CEIM	CEIM	AEL	AEL	AEL	QUAN	CEIM
	Lab. Number	910637-04	920297-05	AEL96002750	AEL96008727	AEL96008728	A7K240137028	910637-05
Constituent	Units							
Nitroaniline,4-	µg/L							
Nitrobenzene	µg/L							
Nitrophenol,2-	µg/L							
Nitrophenol,4-	µg/L							
Nitroquinoline-1-oxide,4-	µg/L							
Nitrosopyrrolidine,n-	µg/L							
Pentachlorophenol	µg/L							
Phenacetin	µg/L							
Phenanthrene	µg/L							
Phenol	µg/L							
Phenylenediamine,1,4-	µg/L							
Picoline,2-	µg/L							
Pronamide	µg/L							
Propane),2,2'-oxybis(1-chloro-	µg/L							
Propane),2,2'-oxybis(2-chloro-	µg/L							
Pyrene	µg/L							
Pyridine	µg/L							
Safrole	µg/L							
Tetrachlorobenzene,1,2,4,5-	µg/L							
Tetrachlorophenol,2,3,4,6-	µg/L							
Toluidine,o-	µg/L							
Trichlorobenzene,1,2,4-	µg/L							
Trichlorophenol,2,4,5-	µg/L							
Trichlorophenol,2,4,6-	µg/L							
Triethyl Phosphorothioate,o,o,o-	µg/L							
Trinitrobenzene,1,3,5-	µg/L							
Acetone	µg/L			<20	<20	<20		
Acrolein	µg/L			<10	<10	<10		

Notes: 1. Printed on 04/07/98

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Table 2
SUMMARY OF ANALYTICAL RESULTS
P&W East Hartford: AIRPORT/KLONDIKE

	Location ID	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-02
	Sample ID	03011111491	03011060992	1011995	1016642	1016643	1647387	03021111491
	Sample Date	11/15/1991	06/10/1992	03/19/1996	08/06/1996	08/06/1996	11/20/1997	11/15/1991
	Sample Time			11:52	09:50	09:50	11:42	
	Sample Depth	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	4.8' - 14.8'
	Laboratory	CEIM	CEIM	AEL	AEL	AEL	QUAN	CEIM
	Lab. Number	910637-04	920297-05	AEL96002750	AEL96008727	AEL96008728	A7K240137028	910637-05
Constituent	Units							
Acrylamide	µg/L							
Acrylonitrile	µg/L			<10	<0.66 **	<0.66 **		
Allyl Chloride	µg/L							
Benzene	µg/L	<5 U	<1 U	<4.0	<1.0	<1.0		<5 U
Benzene (mobile)	µg/l							
Bromobenzene	µg/L			<4.0	<4.0	<4.0		
Bromoform	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Carbon Disulfide	µg/L			<4.0	<4.0	<4.0		
Carbon Tetrachloride	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Chlorobenzene	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Chlorodibromomethane	µg/L	<5 U	<5 U	<4.0	<0.31 **	<0.31 **		<5 U
Chloroethane	µg/L	<10 U	<10 U	<4.0	<4.0	<4.0		<10 U
Chloroethyl Vinyl Ether,2-	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Chloroform	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Chlorohexane,1-	µg/l							
Chloroprene,beta-	µg/L							
Chlorotoluene	µg/l							
Chlorotoluene,o-	µg/L			<4.0	<4.0	<4.0		
Chlorotoluene,p-	µg/L			<4.0	<4.0	<4.0		
Dibromomethane	µg/L			<4.0	<4.0	<4.0		
Dichlorobenzene,1,2-	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Dichlorobenzene,1,3-	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Dichlorobenzene,1,4-	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Dichlorobromomethane	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Dichlorodifluoromethane	µg/L			<4.0	<4.0	<4.0		
Dichloroethane,1,1-	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Dichloroethane,1,2-	µg/L	<5 U	<1 U	<4.0	<1.0	<1.0		<5 U
Dichloroethylene,1,1-	µg/L	<5 U	<5 U	<0.90	<4.0	<4.0		<5 U

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Table 2
SUMMARY OF ANALYTICAL RESULTS
P&W East Hartford: AIRPORT/KLONDIKE

	Location ID	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-02
	Sample ID	03011111491	03011060992	1011995	1016642	1016643	1647387	03021111491
	Sample Date	11/15/1991	06/10/1992	03/19/1996	08/06/1996	08/06/1996	11/20/1997	11/15/1991
	Sample Time			11:52	09:50	09:50	11:42	
	Sample Depth	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	4.8' - 14.8'
	Laboratory	CEIM	CEIM	AEL	AEL	AEL	QUAN	CEIM
	Lab. Number	910637-04	920297-05	AEL96002750	AEL96008727	AEL96008728	A7K240137028	910637-05
Constituent	Units							
Dichloroethylene,1,1- (mobile)	µg/l							
Dichloroethylene,1,2-	µg/l		<5 U					
Dichloroethylene,1,2-cis-	µg/L			<4.0	<4.0	<4.0		
Dichloroethylene,1,2-cis- (mobile)	µg/l							
Dichloroethylene,1,2-trans-	µg/L	<5 U		<4.0	<4.0	<4.0		<5 U
Dichloroethylene,1,2-trans- (mobile)	µg/l							
Dichloropropane,1,2-	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Dichloropropane,1,3-	µg/l							
Dichloropropylene,1,3-	µg/L							
Dichloropropylene,1,3-cis-	µg/L	<5 U	<5 U	<4.0	<0.22 **	<0.22 **		<5 U
Dichloropropylene,1,3-trans-	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Dioxane,1,4-	µg/L							
Ethanol	µg/l	<1000 U	<1000 U					<1000 U
Ethyl Ether	µg/l	<10 U	<10 U					<10 U
Ethyl Methacrylate	µg/L							
Ethylbenzene	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Ethylbenzene (mobile)	µg/l							
Ethylene Dibromide	µg/L							
Hexanone,2-	µg/L			<10	<10	<10		
Iodomethane	µg/L							
Isobutyl Alcohol	µg/L							
Methacrylonitrile	µg/L							
Methyl Bromide	µg/L	<10 U	<10 U	<4.0	<4.0	<4.0		<10 U
Methyl Chloride	µg/L	<10 U	<10 U	<4.0	<4.0	<4.0		<10 U
Methyl Ethyl Ketone	µg/L	<10 U	<10 U	<10	<10	<10		<10 U
Methyl Methacrylate	µg/L							
Methyl-2-pentanone,4-	µg/L	<10 U	<10 U	<10	<10	<10		<10 U
Methyl-tert-butyl Ether	µg/L			<4.0	<4.0	<4.0		

Notes: 1. Printed on 04/07/98

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Table 2
SUMMARY OF ANALYTICAL RESULTS
P&W East Hartford: AIRPORT/KLONDIKE

	Location ID	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-02
	Sample ID	03011111491	03011060992	1011995	1016642	1016643	1647387	03021111491
	Sample Date	11/15/1991	06/10/1992	03/19/1996	08/06/1996	08/06/1996	11/20/1997	11/15/1991
	Sample Time			11:52	09:50	09:50	11:42	
	Sample Depth	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	4.8' - 14.8'
	Laboratory	CEIM	CEIM	AEL	AEL	AEL	QUAN	CEIM
	Lab. Number	910637-04	920297-05	AEL96002750	AEL96008727	AEL96008728	A7K240137028	910637-05
Constituent	Units							
Methylene Chloride	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Paraldehyde	µg/l							
Pentachlorobenzene	µg/L							
Pentachloroethane	µg/L							
Pentachloronitrobenzene	µg/L							
Propionitrile	µg/L							
Styrene	µg/L			<4.0	<4.0	<4.0		
Tetrachloroethane,1,1,1,2-	µg/L			<4.0	<1	<1		
Tetrachloroethane,1,1,2,2-	µg/L	<5 U	<5 U	<4.0	<0.30 **	<0.30 **		<5 U
Tetrachloroethylene	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Tetrachloroethylene (mobile)	µg/l							
Toluene	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Toluene (mobile)	µg/l							
Trichloro-1,2,2-trifluoroethane,1,1,2-	µg/l							
Trichloroethane,1,1,1-	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Trichloroethane,1,1,1- (mobile)	µg/l							
Trichloroethane,1,1,2-	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Trichloroethylene	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U
Trichloroethylene (mobile)	µg/l							
Trichloromonofluoromethane	µg/L	<10 U	<10 U	<4.0	<4.0	<4.0		<10 U
Trichloropropane,1,2,3-	µg/L			<4.0	<4.0	<4.0		
Vinyl Acetate	µg/L			<4.0	<4.0	<4.0		
Vinyl Chloride	µg/L	<10 U	<2 U	<0.82	<2.0	<2.0		<10 U
Vinyl Chloride (mobile)	µg/l							
Xylene,m-	µg/l							
Xylene,o-	µg/l							
Xylene,p-	µg/l							
Xylenes (Total)	µg/L	<5 U	<5 U	<4.0	<4.0	<4.0		<5 U

Notes: 1. Printed on 04/07/98

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Table 2
SUMMARY OF ANALYTICAL RESULTS
P&W East Hartford: AIRPORT/KLONDIKE

	Location ID	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-01	NA-MW-02
	Sample ID	03011111491	03011060992	1011995	1016642	1016643	1647387	03021111491
	Sample Date	11/15/1991	06/10/1992	03/19/1996	08/06/1996	08/06/1996	11/20/1997	11/15/1991
	Sample Time			11:52	09:50	09:50	11:42	
	Sample Depth	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	5.3' - 15.3'	4.8' - 14.8'
	Laboratory	CEIM	CEIM	AEL	AEL	AEL	QUAN	CEIM
	Lab. Number	910637-04	920297-05	AEL96002750	AEL96008727	AEL96008728	A7K240137028	910637-05
Constituent	Units							
Xylenes,m- & p- (mobile)	µg/l							
Xylenes,o- & p- (mobile)	µg/l							

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SOIL INVESTIGATIONS - X-410 OIL RACK AREA LOCATION & CONSTITUENTS DETECTED MAP-DRAWING 1

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SOIL INVESTIGATIONS - RENTSCHLER AIRPORT SUB-AREA LOCATION & CONSTITUENTS DETECTED MAP

[X] **Map** [ ] **Photograph** [ ] **Other** (Specify Below)

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TABLE OF CONTENTS

UNIT SPECIFIC TECHNICAL MEMORANDUM: EXPLOSIVES STORAGE AREA PRATT & WHITNEY, EAST HARTFORD

AREA: North Klondike

SUB-AREA: Explosives Storage Area

ENVIRONMENTAL UNIT: Outside Storage Area

Location: North Klondike (Suntan) Area, fifth road south on main access road, from Perimeter Road (Drawing 1).

Description: No exact dimensions are available for the Outside Storage Area.

Dates of Operation: The Outside Storage Area operated from about 1957 to 1993.

Processes: The outside storage area was used for general storage.

Specific Contaminants of Concern: Jet fuels and cleaning solvents explosives? perchlorate

Area-wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted.

Potential Release Mechanism: The potential for a release (infiltration) exists for the Outside Storage Area only if chemicals and explosives have been stored within this unit.

INVESTIGATION AND REMEDIATION ACTIVITIES:

No further investigation is recommended in the Outside Storage Area, since the items that were stored there were generally inert substance (*i.e.* concrete ballards, wooden pallets, fencing, and other miscellaneous. items).

Five separate investigations were conducted in the Explosives Storage Area (*Fill Area, Underground Storage Tank, Explosives Storage Building, Outside Chemical Storage Shed, and* the *Chemical Storage Building*) and should be referred to independently.

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RDMS Document ID # 2225

Facility Name: PRATT & WHITNEY (MAIN ST)

Facility ID#: CTD990672081

Phase Classification: R-5

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Description of Oversized Material, if applicable:

EXPLOSIVE STORAGE AREA LOCATION MAP-DRAWING 1

[X] Map [ ] Photograph [ ] Other (Specify Below)

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UNIT SPECIFIC TECHNICAL MEMORANDUM: M.E.R.L. AREA
PRATT & WHITNEY, EAST HARTFORD

AREA: North Klondike

SUB-AREA: M.E.R.L. Area

ENVIRONMENTAL UNITS: M.E.R.L. Explosives Forming, Control Room, Storage Building, Undesignated Building

Location: North Klondike (Suntan Area), first road south on main access road, from perimeter road (Drawing 1).

Description: The dimensions of these units are given below:

M.E.R.L. Explosives Forming – 26.5' x 34'
Control room – 12' x 15'
Storage Building – 8' x 8'
Undesignated Building – 12' x 20.5'

Presently, only the foundation remains of the above structures.

Dates of Operation: These M.E.R.L. Area units were used approximately from 1957 to 1993.

Processes: THE M.E.R.L. Explosives Forming was used for storage of various supplies and equipment, including asbestos matting and rope. The Control Room was used for jet engine testing. The Storage Building was used for material storage. The Undesignated Building was a test shed for explosives.

Specific Contaminants of Concern: The contaminants of concern of these units typically include jet fuels, cleaning solvents, and potentially asbestos in some areas

Area-wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted.

Potential Release Mechanisms: The most likely release mechanism in the M.E.R.L. Area is potential spillage and/or leakage which could affect the underlying soil and groundwater, however, the potential impact to the environment from a release inside a building is relatively low, since any contaminant spills and/or leakage (containing VOCs, SVOCs, PCBs, Metals, and TPH) most likely would have been contained within the building.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Since any release would have most likely been contained within the buildings, no further action is warranted in these units. Two separate investigations (*Fire Training Area "D"* and the *M.E.R.L. Drywell Area*) were conducted in this area and are discussed independently

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Description of Oversized Material, if applicable:

M.E.R.L. AREA LOCATION MAP - DRAWING 1

[X] Map [ ] Photograph [ ] Other (Specify Below)

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UNIT SPECIFIC TECHNICAL MEMORANDUM: UNDEVELOPED LAND - NORTH KLONDIKE

PRATT & WHITNEY, EAST HARTFORD

AREA: North Klondike

SUB-AREA: Undeveloped Land Area (Drawing 1)

ENVIRONMENTAL UNIT: Outside Storage Area and the Undeveloped Land Area

Location: The Outside Storage Area is located at the end of the access road, off Perimeter Road.

The Undeveloped Land is located to the north and east of the North Klondike Area.

Description: The Outside Storage Area Unit was used for storage of old and inoperable vehicles. The actual size of the storage area could not be determined.

The North Klondike Undeveloped Land Unit contains all of the land in the North Klondike that was not developed.

Dates of Operation: The Outside Storage Area Unit in the North Klondike Undeveloped Land Sub-Area was used from about 1957 to 1993.

The North Klondike Undeveloped Land Unit was in use in the mid 1930s.

Processes: The Outside Storage Area Unit in the North Klondike Undeveloped Land Sub-Area was used for vehicle storage.

Earth moving operations in the early 1930s are suspected in the North Klondike Undeveloped Land Unit. Fill Material was reportedly removed from this area to help level low-lying areas of the airfield.

Specific Contaminants of Concern: Gasoline, diesel fuels and cleaning solvents may have been used in the Outside Storage Area Unit in the North Klondike Undeveloped Land Sub-Area.

what other activities if solvent may have been used?

The presence of automotive and diesel fuels from earth-moving equipment is suspected in the North Klondike Undeveloped Land Unit. fill (from above?)

Area-Wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted.

Potential Release Mechanism: The most likely release mechanism in the Outside Storage Area Unit is infiltration due to a spillage or leakage, which would affect the underlying soil and groundwater. However, the potential for this to occur is low since mostly inert material was stored here (*i.e.* inoperable vehicles).

The likelihood for a release in the North Klondike Undeveloped Land Area Unit is also low since this area was not developed. again

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the potential for a release associated with the North Klondike Undeveloped Land Area Unit, a subsurface investigation to determine the degree and extent of soil contamination was performed in February 1990. Prior to 1990, no investigation had reportedly been performed.

Various supplemental groundwater investigations have also been conducted in the North Klondike Undeveloped Land Area Unit. In both monitoring wells (NK-MW-01 and NK-MW-15) present in the Undeveloped Land Area Unit metals have been detected. Even though Barium, Iron, and Zinc have been detected, (no exceedances of any reporting criteria have been noted). For a more detailed account of these sampling events refer to LEA *Technical Memorandum 3 of Groundwater Sampling and Quality* dated March 30, 1998.

1990 Investigation (Westinghouse):

Description: In February 1990, one soil sample was collected during installation of monitoring well NW-MW-01 and was analyzed for VOCs and TCLP metals. Specific analyses performed are shown in Table 1.

Investigation Results: No VOCs were detected in the sample that was analyzed. Only Lead was reported over the detection limit (Westinghouse, 1990). Detects are shown on Table 2.

Data Evaluation and Conclusions: The concentrations of lead reported is representative of background concentrations encountered site-wide (F&O, 1994).

Since the Outside Storage Area Unit and the Undeveloped Land Area Unit had a low probability of a release, no further action is warranted.

One additional separate investigation was conducted in the Undeveloped Land Sub-Area (*Soil Piles*) and should be referred to independently.

Table 1
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: NK Undeveloped Land Area

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-MW-01	CAS 1000015	2/12/90	0.0	1.5	SB		x							
NK-MW-01	CAS 1015030	2/16/90	1.5	3.0	SB								X	

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 04/02/98

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Table 2
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL
P&W East Hartford: NK Undeveloped Land Area

	Location ID	NK-MW-01						
	Sample ID	CAS 1015030						
	Sample Date	02/16/1990						
	Sample Time	:						
	Sample Depth	1.5' - 3.0'						
	Laboratory	NETA						
	Lab. Number	NETA09011						
Constituent	Units							
Lead (TCLP)	mg/l	0.120						

Notes: 1. Only Detects Shown
2. Printed on 04/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: NK Undeveloped Land Area

	Location ID	NK-MW-01	NK-MW-01					
	Sample ID	CAS 1000015	CAS 1015030					
	Sample Date	02/12/1990	02/16/1990					
	Sample Time		:					
	Sample Depth	0.0' - 1.5'	1.5' - 3.0'					
	Laboratory	NETA	NETA					
	Lab. Number	NETA09001	NETA09011					
Constituent	Units							
Arsenic (TCLP)	mg/l		<0.100					
Barium (TCLP)	mg/l		<0.035					
Cadmium (TCLP)	mg/l		<0.004					
Chromium (TCLP)	mg/l		<0.050					
Lead (TCLP)	mg/l		0.120					
Mercury (TCLP)	mg/l		<0.0002					
Selenium (TCLP)	mg/l		<0.100					
Silver (TCLP)	mg/l		<0.009					
Benzene	µg/xx	<5						
Bromoform	µg/xx	<5						
Carbon Disulfide	µg/xx	<5						
Carbon Tetrachloride	µg/xx	<5						
Chlorobenzene	µg/xx	<5						
Chlorodibromomethane	µg/xx	<5						
Chloroethane	µg/xx	<5						
Chloroform	µg/xx	<5						
Dichlorobromomethane	µg/xx	<5						
Dichloroethane,1,1-	µg/xx	<5						
Dichloroethane,1,2-	µg/xx	<5						
Dichloroethylene,1,1-	µg/xx	<5						
Dichloroethylene,1,2-trans-	µg/xx	<5						
Dichloropropane,1,2-	µg/xx	<5						
Dichloropropylene,1,3-cis-	µg/xx	<5						
Dichloropropylene,1,3-trans-	µg/xx	<5						
Ethylbenzene	µg/xx	<5						
Hexanone,2-	µg/xx	<5						
Methyl Bromide	µg/xx	<5						
Methyl Chloride	µg/xx	<5						

Notes: 1. Printed on 04/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: NK Undeveloped Land Area

	Location ID	NK-MW-01	NK-MW-01					
	Sample ID	CAS 1000015	CAS 1015030					
	Sample Date	02/12/1990	02/16/1990					
	Sample Time		:					
	Sample Depth	0.0' - 1.5'	1.5' - 3.0'					
	Laboratory	NETA	NETA					
	Lab. Number	NETA09001	NETA09011					
Constituent	Units							
Methyl Ethyl Ketone	µg/xx	<5						
Methyl-2-pentanone,4-	µg/xx	<5						
Methylene Chloride	µg/xx	<5						
Styrene	µg/xx	<5						
Tetrachloroethane,1,1,2,2-	µg/xx	<5						
Tetrachloroethylene	µg/xx	<5						
Toluene	µg/xx	<5						
Trichloroethane,1,1,1-	µg/xx	<5						
Trichloroethane,1,1,2-	µg/xx	<5						
Trichloroethylene	µg/xx	<5						
Vinyl Acetate	µg/xx	<5						
Vinyl Chloride	µg/xx	<5						
Xylenes (Total)	µg/xx	<5						

Notes: 1. Printed on 04/02/98

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NORTH KLONDIKE UNDEVELOPED LAND LOCATION AND CONSTITUENTS DETECTED MAP - DRAWING 1

[X] **Map** [ ] **Photograph** [ ] **Other** (Specify Below)

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UNIT SPECIFIC TECHNICAL MEMORANDUM: X-312/X-314 TEST STAND AREA PRATT & WHITNEY, EAST HARTFORD

AREA: North Klondike

SUB-AREA: X-312/X-314 Area

ENVIRONMENTAL UNIT: Test Stand X-312 and Test Stand X-314

Location: The X-312/X-314 Test Stand Area is located on the east side of the Perimeter Road and north of the Tie-Down Area (Drawing 1).

Description: Test Stand X-312 was an open test stand comprised of a blacktop test pad. The stand was provided with a flat roof overhead shelter and roll-up canvas curtains for weather protection. Controls and instrumentation required to operate the test engines and monitor its performance were in a wood frame-constructed control room located approximately 75 feet from the test stand. Presently, only the concrete foundation remains.

Test Stand X-314 was used for radial sound surveys. Instruments (microphones) were set up on the outside radius of the cleared area surrounding the test stand. Thirty foot high steel columns were anchored to a 30' by 40' concrete pad. Presently, only the foundation remains of Test Stand X-314. This unit was equipped with a septic tank and leach field.

Dates of Operation: Test Stand X-312 and X-314 were used from approximately 1957 until the stands were demolished in the early 1990s.

Processes: In Test Stand X-312 engine tests were conducted with different apparatus including, but not limited to: an exhaust silencer, a crosswind generator, a foreign object ingestion, portable microphones, an icing system, smoke testing, and strain gauge measurements.

Test Stand X-314 was an outdoor test facility designated for inlet and exhaust sound surveys, performance calibrations, crosswind testing, foreign object ingestion, and thermal distortion tests of the largest turbofan engines.

Specific Contaminants of Concern: The standard fuel used at Test Stand X-312 was JP-5; the standard fuel used at Test Stand X-314 was Jet A. Special fuels may have been required for certain tests conducted. Fuels such as JP-4, JP-5, and isooctane were may have been used. Cleaning fluids and solvents were likely used after the tests were completed.

Area-wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted.

Potential Release Mechanism: The most likely release mechanism for Test Stands X-312 and X-314 was potential spillage and/or leakage which could affect the underlying soil and groundwater; however, the likelihood for a spill in these areas was low because these units where mainly used for engine-testing operations.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the potential for a release associated with the Test Stand X-314, a subsurface investigation to determine the degree and extent of soil and groundwater contamination was performed in June 1993. Prior to 1993, no previous investigation had been conducted.

1993 Investigation (M&E):

Description: Soil boring NK-SS-14 was conducted near a former fuel distribution line trench in the X-314 Area (Metcalf & Eddy, 1993). Using a post-hole digger and three-inch hand auger, a soil sample was collected just below the fuel distribution line. The pipe was encountered at approximately three feet below grade. The location of the soil sample is presented on Drawing 1.

Investigation Results: Specific analyses performed on the soil sample from the X-314 Area is presented in Table 1. Concentrations of detected constituents for this boring are presented in Table 2.

The soil sample from boring NK-SS-14 did not contain VOCs, SVOCs, or PCBs at concentrations above detection limits.

In the sample collected and analyzed, barium, beryllium, chromium, lead, nickel and zinc were detected.

Data Evaluation and Conclusions: The concentrations of metals reported is representative of background concentrations encountered site wide (F&O, 1994).

Since Test Stand X-312 and X-314 had a low probability of a release, no further action is warranted.

Two separate investigations were conducted in the X-312 / X-314 Area (*X-312 Tank Farm* and the *X-314 Septic System*) and should be referred to independently.

Table 1
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: Test Stand X-314

Sample Information					Analysis Information								
Location ID	Sample ID	Sample Date	From (ft) To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SS-14	01015061793	6/17/93		SS		x	x			x	X		

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 04/01/98

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Table 2
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL
P&W East Hartford: Test Stand X-314

	Location ID	NK-SS-14						
	Sample ID	01015061793						
	Sample Date	06/17/1993						
	Laboratory	ENS						
	Lab. Number	0291110001SA						
Constituent	Units							
Date Metals Analyzed	-	06/28/1993						
Barium	mg/kg	27.8						
Beryllium	mg/kg	0.23						
Chromium (Total)	mg/kg	5.5						
Lead	mg/kg	3.6						
Nickel	mg/kg	4.7						
Zinc	mg/kg	13.8						

Notes: 1. Only Detects Shown
2. Printed on 04/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Test Stand X-314

	Location ID	NK-SS-14						
	Sample ID	01015061793						
	Sample Date	06/17/1993						
	Laboratory	ENS						
	Lab. Number	0291110001SA						
Constituent	Units							
Date Metals Analyzed	-	06/28/1993						
Date Organics Analyzed	-	06/23/1993						
Date PCBs Analyzed	-	06/28/1993						
Date Semi-volatile Organics Analyzed	-	06/25/1993						
Arsenic	mg/kg	<0.54						
Barium	mg/kg	27.8						
Beryllium	mg/kg	0.23						
Cadmium	mg/kg	<0.54						
Chromium (Total)	mg/kg	5.5						
Lead	mg/kg	3.6						
Mercury	mg/kg	<0.11						
Nickel	mg/kg	4.7						
Selenium	mg/kg	<0.54						
Silver	mg/kg	<1.1						
Zinc	mg/kg	13.8						
PCB 1016	µg/kg	<8.9						
PCB 1221	µg/kg	<8.9						
PCB 1232	µg/kg	<8.9						
PCB 1242	µg/kg	<8.9						
PCB 1248	µg/kg	<8.9						
PCB 1254	µg/kg	<8.9						
PCB 1260	µg/kg	<8.9						
Acenaphthene	µg/kg	<360						
Acenaphthylene	µg/kg	<360						
Anthracene	µg/kg	<360						
Benzo[a]anthracene	µg/kg	<360						
Benzo[a]pyrene	µg/kg	<360						
Benzo[b]fluoranthene	µg/kg	<360						
Benzo[ghi]perylene	µg/kg	<360						
Benzo[k]fluoranthene	µg/kg	<360						

Notes: 1. Printed on 04/01/98

Table 3

SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Test Stand X-314

	Location ID	NK-SS-14						
	Sample ID	01015061793						
	Sample Date	06/17/1993						
	Laboratory	ENS						
	Lab. Number	0291110001SA						
Constituent	Units							
Bis(2-chloroethoxy)methane	µg/kg	<360						
Bis(2-chloroethyl)ether	µg/kg	<360						
Bis(2-ethylhexyl)phthalate	µg/kg	<360						
Bromophenyl Phenyl Ether,4-	µg/kg	<360						
Butyl Benzyl Phthalate	µg/kg	<360						
Carbazole	µg/kg	<360						
Chloroaniline,4-	µg/kg	<360						
Chloronaphthalene,2-	µg/kg	<360						
Chlorophenol,2-	µg/kg	<360						
Chlorophenyl Phenyl Ether,4-	µg/kg	<360						
Chrysene	µg/kg	<360						
Cresol,2-	µg/kg	<360						
Cresol,4-	µg/kg	<360						
Di-n-butyl Phthalate	µg/kg	<360						
Di-n-octyl Phthalate	µg/kg	<360						
Dibenzo[a,h]anthracene	µg/kg	<360						
Dibenzofuran	µg/kg	<360						
Dichlorobenzidine,3,3'-	µg/kg	<710						
Dichlorophenol,2,4-	µg/kg	<360						
Diethyl Phthalate	µg/kg	<360						
Dimethyl Phthalate	µg/kg	<360						
Dimethylphenol,2,4-	µg/kg	<360						
Dinitro-o-cresol,4,6-	µg/kg	<1700						
Dinitrophenol,2,4-	µg/kg	<1700						
Dinitrotoluene,2,4-	µg/kg	<360						
Dinitrotoluene,2,6-	µg/kg	<360						
Fluoranthene	µg/kg	<360						
Fluorene	µg/kg	<360						
Hexachlorobenzene	µg/kg	<360						
Hexachlorobutadiene	µg/kg	<360						

Notes: 1. Printed on 04/01/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Test Stand X-314

	Location ID	NK-SS-14						
	Sample ID	01015061793						
	Sample Date	06/17/1993						
	Laboratory	ENS						
	Lab. Number	0291110001SA						
Constituent	Units							
Hexachlorocyclopentadiene	µg/kg	<360						
Hexachloroethane	µg/kg	<360						
Indeno(1,2,3-cd)pyrene	µg/kg	<360						
Isophorone	µg/kg	<360						
Methylnaphthalene,2-	µg/kg	<360						
N-nitrosodi-n-propylamine	µg/kg	<360						
N-nitrosodiphenylamine	µg/kg	<360						
Naphthalene	µg/kg	<360						
Nitroaniline,2-	µg/kg	<1700						
Nitroaniline,3-	µg/kg	<1700						
Nitroaniline,4-	µg/kg	<1700						
Nitrobenzene	µg/kg	<360						
Nitrophenol,2-	µg/kg	<360						
Nitrophenol,4-	µg/kg	<1700						
Pentachlorophenol	µg/kg	<1700						
Phenanthrene	µg/kg	<360						
Phenol	µg/kg	<360						
Propane),2,2'-oxybis(2-chloro-	µg/kg	<360						
Pyrene	µg/kg	<360						
Trichlorobenzene,1,2,4-	µg/kg	<360						
Trichlorophenol,2,4,5-	µg/kg	<1700						
Trichlorophenol,2,4,6-	µg/kg	<360						
Acetone	µg/kg	<11						
Benzene	µg/kg	<5.4						
Bromoform	µg/kg	<5.4						
Carbon Disulfide	µg/kg	<5.4						
Carbon Tetrachloride	µg/kg	<5.4						
Chlorobenzene	µg/kg	<5.4						
Chlorodibromomethane	µg/kg	<5.4						
Chloroethane	µg/kg	<11						

Notes: 1. Printed on 04/01/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Test Stand X-314

	Location ID	NK-SS-14						
	Sample ID	01015061793						
	Sample Date	06/17/1993						
	Laboratory	ENS						
	Lab. Number	0291110001SA						
Constituent	Units							
Chloroform	µg/kg	<5.4						
Chlorotoluene,p-	µg/kg	<360						
Dichlorobenzene,1,2-	µg/kg	<360						
Dichlorobenzene,1,3-	µg/kg	<360						
Dichlorobenzene,1,4-	µg/kg	<360						
Dichlorobromomethane	µg/kg	<5.4						
Dichloroethane,1,1-	µg/kg	<5.4						
Dichloroethane,1,2-	µg/kg	<5.4						
Dichloroethylene,1,1-	µg/kg	<5.4						
Dichloroethylene,1,2-	µg/kg	<5.4						
Dichloropropane,1,2-	µg/kg	<5.4						
Dichloropropylene,1,3-cis-	µg/kg	<5.4						
Dichloropropylene,1,3-trans-	µg/kg	<5.4						
Ethylbenzene	µg/kg	<5.4						
Hexanone,2-	µg/kg	<11						
Methyl Bromide	µg/kg	<11						
Methyl Chloride	µg/kg	<11						
Methyl Ethyl Ketone	µg/kg	<11						
Methyl-2-pentanone,4-	µg/kg	<11						
Methylene Chloride	µg/kg	<5.4						
Styrene	µg/kg	<5.4						
Tetrachloroethane,1,1,2,2-	µg/kg	<5.4						
Tetrachloroethylene	µg/kg	<5.4						
Toluene	µg/kg	<5.4						
Trichloroethane,1,1,1-	µg/kg	<5.4						
Trichloroethane,1,1,2-	µg/kg	<5.4						
Trichloroethylene	µg/kg	<5.4						
Vinyl Acetate	µg/kg	<11						
Vinyl Chloride	µg/kg	<11						
Xylenes (Total)	µg/kg	<5.4						

Notes: 1. Printed on 04/01/98

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RDMS Document ID # 2225

Facility Name: PRATT & WHITNEY (MAIN ST)

Facility ID#: CTD990672081

Phase Classification: R-5

Purpose of Target Sheet:

[X] **Oversized** (in Site File) [ ] **Oversized** (in Map Drawer)

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[ ] **Privileged** [ ] **Other** (Provide Purpose Below)

Description of Oversized Material, if applicable:

X-312/X314 AREA LOCATION & CONSTITUENTS DETECTED MAP - DRAWING 1

[X] **Map** [ ] **Photograph** [ ] **Other** (Specify Below)

*** Please Contact the EPA New England RCRA Records Center to View This Document ***

SUB-AREA SPECIFIC TECHNICAL MEMORANDUM: X-401 AREA
PRATT & WHITNEY, EAST HARTFORD

AREA: North Klondike

SUB-AREA: X-401

ENVIRONMENTAL UNITS: Test Cell X-401, Test Cell X-402, Test Cell X-403, Equipment Shed, and the Pavilion

Location: These Environmental Units are located as follows: Test Cells X-401, X-402, X-403 - within building east of area access road; Equipment Shed - at east end of area access road; Pavilion -on west side of area access road south of building. These units are shown on Drawing 1.

Description: The main building which housed Test Cells X-401, X-402, and X-403 had a concrete floor with two rooms and corrugated steel walls. The northern room contained the test cells and was 20.0' x 15.0'; the southern room contained the control room and was 12.0' x 15.0'. The test cells were equipped with an exhaust duct and heat exchanger. Adjoining the Test Cells, a Spencer Turbo Compressor (Model No. 2575H, S.N. 2929[illegible] was housed in a corrugated steel and wood frame enclosure. The compressor outlet lead into the Test Cells, and apparently provided the required air for engine testing. Presently, only the foundation remains.

The Equipment Shed was an 8.0' x 12.0' wooden structure on a concrete slab floor. The conduit and an electrical service junction box rose from the floor in the southwest corner of the former shed. Presently, only the concrete foundation remains.

The Pavilion consisted of an 8.0' x 17.0' frame structure with a corrugated metal roof. The floor was comprised of steel grating placed over a concrete block support. Two copper tubing fuel lines connected the test cells/control room to the Pavilion, following a utility trestle which passed over the entrance drive to the control room. An above-ground storage tank was located in this area.

Dates of Operation: Test Cells X-401, X-402, and X-403, the Equipment Shed, and the Pavilion were used from approximately 1957 to 1993.

Processes: Test Cells X-401, X-402, and X-403 were used for the testing of engines.

The Equipment Shed was used for equipment storage.

The Pavilion was used for fuel storage in an above-ground storage tank.

Specific Contaminants of Concern: The Test Cells mainly used jet fuels and cleaning solvents.

The Equipment Shed and the Pavilion were used for storage of jet fuels and cleaning solvents.

Area-wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted.

Potential Release Mechanism: The most likely release mechanism for Test Cells X-401, X-402, and X-403, and the Equipment Shed is potential spillage and/or leakage which could affect the underlying soil and groundwater; however, the likelihood for a spill in these areas was low because these units where mainly used for engine-testing operations. Furthermore, any spill inside the building would most likely have been contained within the building.

The most likely release mechanism for the Pavilion was potential spillage and/or leakage from storage containers (i.e. aboveground tank) which could affect the underlying soil and groundwater. Similarly, the likelihood of a release is relatively low in this area.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Since the likelihood of a spill is low no further investigation is warranted for these environmental units.

Three separate investigations were conducted in the X-401 Area (*Fire Training Area "C", Drywells,* and the *Locker Room Septic System*) and should be referred to independently.

US EPA New England
RCRA Document Management System
Image Target Sheet

RDMS Document ID # 2225

Facility Name: PRATT & WHITNEY (MAIN ST)

Facility ID#: CTD990672081

Phase Classification: R-5

Purpose of Target Sheet:

[X] Oversized (in Site File) [ ] Oversized (in Map Drawer)

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Description of Oversized Material, if applicable:

X-401 AREA LOCATION MAP - DRAWING 1

[X] Map [ ] Photograph [ ] Other (Specify Below)

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UNIT SPECIFIC TECHNICAL MEMORANDUM: X-407 AREA
PRATT & WHITNEY, EAST HARTFORD

AREA: North Klondike

SUB-AREA: X-407

ENVIRONMEATAL UNITS: Test Cell X-404, Test Cell X-405, Test Cell X-406, Test Cell X-407, Test Cell X-408, X-408 Test Rig Room, Test Cell X-409, Compressor Building, North Klondike Pump House

Location: In the North Klondike (Suntan) Area; third road north on the north access road, from Perimeter Road (Drawing 1). The respective environmental units are located as follows: Test Cells X-404, X-405, X-406, and X-407 - within northernmost building; X-408 -on west side of Access Road; X-409 - within westernmost building; Compressor building - east of Test Cell X-409; North Klondike Pump House -north of main access road, western side of third road north.

Description: The main building which housed Test Cells X-404, X-405, X-406, and X-407 was approximately 20'x40' and was constructed of metal and concrete.

Test Cell X-408 was approximately 11.5' x 19.5' which was concrete floored and roofed with corrugated metal.

The X-408 Test Rig Room was approximately [illegible]' x 30' which was concrete floored and constructed of corrugated metal.

The compressor building was approximately 27.25' x 11.25' and constructed of cinder block walls with a corrugated aluminum roof.

The North Klondike Pump House was a 12' x 12' building constructed of concrete block.

Presently, only the foundations remain for all of these structures.

Dates of Operation: Test Cells X-404, X-405, X-406, X-407, X-408, X-408 Test Rig Room, X-409, and the Compressor Building were used from approximately 1957 to 1993.

The North Klondike Pump House was used from approximately 1957 to 1993.

Processes: Test Cells X-404, X-405, X-406, X-407, X-408, X-409, and the X-408 Test Rig Room were used for the testing of engines.

The compressor building was used to generate pressurized air for engine tests.

The North Klondike Pump House was a booster pump location for water supply.

Specific Contaminants of Concern: The Test Cells mainly used jet fuels and cleaning solvents. The compressor building may have used oils containing PCBs.

The North Klondike Pump House may have contained lubricating oils and jet fuels.

Area-Wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted

Potential Release Mechanism: The most likely release mechanism for Test Cells X-404, X-405, X-406, X-407, X-408, X-409, the X-408 Test Rig Room, the Compressor Building, and the North Klondike Pump House is potential spillage and or leakage which could affect the underlying soil and groundwater; however, the likelihood for a spill was low since it would have most likely occurred within each of the aforementioned buildings.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the low likelihood for a spill no further investigation is warranted of the above mentioned environmental units in this area. A separate environmental assessment of the former PCB Storage *Area (X-407 PCB Storage Building)* was conducted independently.

US EPA New England
RCRA Document Management System
Image Target Sheet

RDMS Document ID # 2225

Facility Name: PRATT & WHITNEY (MAIN ST)

Facility ID#: CTD990672081

Phase Classification: R-5

Purpose of Target Sheet:

[X] **Oversized** (in Site File) [ ] **Oversized** (in Map Drawer)

[ ] **Page(s) Missing** (Please Specify Below)

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Description of Oversized Material, if applicable:

X-407 AREA LOCATION MAP - DRAWING 1

[X] **Map** [ ] **Photograph** [ ] **Other** (Specify Below)

*** Please Contact the EPA New England RCRA Records Center to View This Document ***

UNIT SPECIFIC TECHNICAL MEMORANDUM: X-410 AREA
PRATT & WHITNEY, EAST HARTFORD

AREA: North Klondike

SUB-AREA: X-410 Area

ENVIRONMENTAL UNIT: Storage Room X-442 (Originally X-196A), Control Room X-196, X-410 (Originally X-196A), X-411 (Originally X-196A), Control Room X-411, Compressor Room X-411, X-412 (Originally X-196B), Storage and Maintenance Building

Location: North Klondike (Suntan) Area, second road south on main access road, from Perimeter Road (Drawing 1).

Description: The approximate dimensions of these units are:

Storage Room X-442 - 11.5' x 13.5' building

Control Room X-106 - 10' x 7' building

X-410 - 14' x 8' open-ended room with a floor drain, which discharged via a 4-inch pipe to a drainage swale to the south

X-411 - 14' x 25' room

Control Room X-411 - 13' x 29' room

Compressor Room X-411 - 20' x 23' room with two floor drains which possibly discharged to a drainage swale to the south

X-412 - 19' x 21' room

Presently only the foundations remain for all of the units in this area.

Dates of Operation: All units except the Storage and Maintenance Building in the X-410 Area started operation around 1957. The date the Storage and Maintenance Building was built is unknown, but it is estimated to be in the early 1960s. All units were demolished in 1993, except for the Control Room X-411 which was decommissioned in 1968.

Processes: The Storage Room X-442, Control Room X-196, X-410, Control Room X-411 were used for testing of jet engines.

X-411 was used as a testing facility for small combustion components such as gas turbine main burners.

The Compressor Room X-411 supplied compressed air to the test stands.

X-412 was a fire safety standards test facility for investigating fire resistance of fuel control and gearbox components.

Compressed gasses (oxygen and acetylene) along with batteries and lighting ballasts were stored in the Storage and Maintenance Building. Typical maintenance activities included welding, torch cutting, and vehicle maintenance.

Specific Contaminants of Concern: Control Room X-442, Control Room X-196, and Control Room X-411 - Jet fuels and cleaning solvents

X-410 and X-411 - Jet fuels and methanol fuels

Compressor Room X-411 - Jet fuels, cleaning solvents, and lubricating oils

X-412 - Compressed air, jet fuels (JP-4 and JP-5), and propane for heating

Storage and Maintenance Building - Batteries and light ballasts potentially containing lead, mercury, cadmium, and PCBs.

Area-wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted.

Potential Release Mechanism: The most likely release mechanism at all of these units is potential spillage and/or leakage which could affect the underlying soil and groundwater; however, the likelihood for spill is low and would most likely have occurred within the building.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the potential for a release associated with these units, a subsurface investigation to determine the degree and extent of soil and groundwater contamination was performed in 1993. Prior to 1993, four soil gas probes were located around the Storage and Maintenance Building during a site-wide soil gas study conducted by Target Environmental Services in December of 1989.

1993 Investigation:

Description: On June 3, 1993, a soil sample was collected from Boring NK-SS-06 and submitted for laboratory analyses for VOCs and PCBs (Metcalf & Eddy, 1993). The location of the soil boring is presented on Drawing 1. Specific analyses performed on the sample from the X-410 Area is presented on Table 1.

On July 7, 1993, a soil sample was collected from Boring NK-SS-11 and submitted for laboratory analysis for beryllium. This boring was conducted as part of an investigation of the X-448 Area (originally X-194) which lies to the east of the X-410 Area.

Investigation Results: In the two samples collected and analyzed, only beryllium was detected in one of the samples (NK-SS-11) at 0.31 mg/kg which exceeds the DEP-proposed reference value (DEP, 1994). This concentration is typical of the levels encountered throughout the area. No other metals, VOCs, SVOCs, PCBs, or pesticides were detected in these samples. Concentrations of all detected constituents for the X-410 Area is presented in Table 2.

Data Evaluation and Conclusions: The low concentration of beryllium detected in sample NK-SS-11 may be associated with operations at the nearby X-194 (X-448) Area known as the Beryllium Area, rather than the units in this X-410 Area. As a result, no further action is warranted in these areas.

Separate investigations were conducted on three other units in this sub-area (*X-410 Drain Pipe, Maintenance and Storage Septic System*, and *X-410 Oil Rack*) and are discussed independently

Table 1
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: X-410 Areas

Sample Information					Analysis Information								
Location ID	Sample ID	Sample Date	From (ft) To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SS-06	01035060393	6/3/93		SS		x			x	x			
NK-SS-11	01115070793	7/7/93		SS							X		

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 03/31/98

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Table 2
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL
P&W East Hartford: X-410 Areas

	Location ID	NK-SS-11						
	Sample ID	01115070793						
	Sample Date	07/07/1993						
	Laboratory	ENS						
	Lab. Number	0293190004SA						
Constituent	Units							
Date Metals Analyzed	-	07/13/1993						
Beryllium	mg/kg	0.31						

Notes: 1. Only Detects Shown
2. Printed on 03/31/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Areas

	Location ID	NK-SS-06	NK-SS-11					
	Sample ID	01035060393	01115070793					
	Sample Date	06/03/1993	07/07/1993					
	Laboratory	ENS	ENS					
	Lab. Number	0289520008SA	0293190004SA					
Constituent	Units							
Date Metals Analyzed	-		07/13/1993					
Date Organics Analyzed	-	06/10/1993						
Date PCBs Analyzed	-	06/18/1993						
Date Pesticides/Herbicides Analyzed	-	06/18/1993						
Beryllium	mg/kg		0.31					
PCB 1016	µg/kg	<87						
PCB 1221	µg/kg	<87						
PCB 1232	µg/kg	<87						
PCB 1242	µg/kg	<87						
PCB 1248	µg/kg	<87						
PCB 1254	µg/kg	<170						
PCB 1260	µg/kg	<170						
Aldrin	µg/kg	<8.7						
BHC,alpha-	µg/kg	<8.7						
BHC,beta-	µg/kg	<8.7						
BHC,delta-	µg/kg	<8.7						
BHC,gamma-	µg/kg	<8.7						
Chlordane	µg/kg	<87						
DDD,p,p'-	µg/kg	<17						
DDE,p,p'-	µg/kg	<17						
DDT,p,p'-	µg/kg	<17						
Dieldrin	µg/kg	<17						
Endosulfan I	µg/kg	<8.7						
Endosulfan II	µg/kg	<17						
Endosulfan Sulfate	µg/kg	<17						
Endrin	µg/kg	<17						
Endrin Ketone	µg/kg	<17						
Heptachlor	µg/kg	<8.7						
Heptachlor Epoxide	µg/kg	<8.7						
Methoxychlor	µg/kg	<87						

Notes: 1. Printed on 04/01/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Areas

	Location ID	NK-SS-06	NK-SS-11					
	Sample ID	01035060393	01115070793					
	Sample Date	06/03/1993	07/07/1993					
	Laboratory	ENS	ENS					
	Lab. Number	0289520008SA	0293190004SA					
Constituent	Units							
Toxaphene	µg/kg	<170						
Acetone	µg/kg	<11						
Benzene	µg/kg	<5.4						
Bromoform	µg/kg	<5.4						
Carbon Disulfide	µg/kg	<5.4						
Carbon Tetrachloride	µg/kg	<5.4						
Chlorobenzene	µg/kg	<5.4						
Chlorodibromomethane	µg/kg	<5.4						
Chloroethane	µg/kg	<11						
Chloroform	µg/kg	<5.4						
Dichlorobromomethane	µg/kg	<5.4						
Dichloroethane,1,1-	µg/kg	<5.4						
Dichloroethane,1,2-	µg/kg	<5.4						
Dichloroethylene,1,1-	µg/kg	<5.4						
Dichloroethylene,1,2-	µg/kg	<5.4						
Dichloropropane,1,2-	µg/kg	<5.4						
Dichloropropylene,1,3-cis-	µg/kg	<5.4						
Dichloropropylene,1,3-trans-	µg/kg	<5.4						
Ethylbenzene	µg/kg	<5.4						
Hexanone,2-	µg/kg	<11						
Methyl Bromide	µg/kg	<11						
Methyl Chloride	µg/kg	<11						
Methyl Ethyl Ketone	µg/kg	<11						
Methyl-2-pentanone,4-	µg/kg	<11						
Methylene Chloride	µg/kg	<5.4						
Styrene	µg/kg	<5.4						
Tetrachloroethane,1,1,2,2-	µg/kg	<5.4						
Tetrachloroethylene	µg/kg	<5.4						
Toluene	µg/kg	<5.4						
Trichloroethane,1,1,1-	µg/kg	<5.4						

Notes: 1. Printed on 04/01/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Areas

	Location ID	NK-SS-06	NK-SS-11					
	Sample ID	01035060393	01115070793					
	Sample Date	06/03/1993	07/07/1993					
	Laboratory	ENS	ENS					
	Lab. Number	0289520008SA	0293190004SA					
Constituent	Units							
Trichloroethane,1,1,2-	µg/kg	<5.4						
Trichloroethylene	µg/kg	<5.4						
Vinyl Acetate	µg/kg	<11						
Vinyl Chloride	µg/kg	<11						
Xylenes (Total)	µg/kg	<5.4						

Notes: 1. Printed on 04/01/98

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LEA Data Management

SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Areas

Location Identifier NK-SS-06

Location Identifier	NK-SS-06					
Sample Date	6/ 3/93					
Sample Identifier	01035060393					Soil Sample
Chemical Name	Concentration	Units	Flags	Lab.	Lab. Number	Chemical Class
PCB 1016	ND<87	µg/kg		ENS	0289520008SA	PCBs
PCB 1221	ND<87	µg/kg		ENS	0289520008SA	PCBs
PCB 1232	ND<87	µg/kg		ENS	0289520008SA	PCBs
PCB 1242	ND<87	µg/kg		ENS	0289520008SA	PCBs
PCB 1248	ND<87	µg/kg		ENS	0289520008SA	PCBs
PCB 1254	ND<170	µg/kg		ENS	0289520008SA	PCBs
PCB 1260	ND<170	µg/kg		ENS	0289520008SA	PCBs
Aldrin	ND<8.7	µg/kg		ENS	0289520008SA	Pesticides
BHC,alpha-	ND<8.7	µg/kg		ENS	0289520008SA	Pesticides
BHC,beta-	ND<8.7	µg/kg		ENS	0289520008SA	Pesticides
BHC,delta-	ND<8.7	µg/kg		ENS	0289520008SA	Pesticides
BHC,gamma-	ND<8.7	µg/kg		ENS	0289520008SA	Pesticides
Chlordane	ND<87	µg/kg		ENS	0289520008SA	Pesticides
DDD,p,p'-	ND<17	µg/kg		ENS	0289520008SA	Pesticides
DDE,p,p'-	ND<17	µg/kg		ENS	0289520008SA	Pesticides
DDT,p,p'-	ND<17	µg/kg		ENS	0289520008SA	Pesticides
Dieldrin	ND<17	µg/kg		ENS	0289520008SA	Pesticides
Endosulfan I	ND<8.7	µg/kg		ENS	0289520008SA	Pesticides
Endosulfan II	ND<17	µg/kg		ENS	0289520008SA	Pesticides
Endosulfan Sulfate	ND<17	µg/kg		ENS	0289520008SA	Pesticides
Endrin	ND<17	µg/kg		ENS	0289520008SA	Pesticides
Endrin Ketone	ND<17	µg/kg		ENS	0289520008SA	Pesticides
Heptachlor	ND<8.7	µg/kg		ENS	0289520008SA	Pesticides
Heptachlor Epoxide	ND<8.7	µg/kg		ENS	0289520008SA	Pesticides
Methoxychlor	ND<87	µg/kg		ENS	0289520008SA	Pesticides
Toxaphene	ND<170	µg/kg		ENS	0289520008SA	Pesticides
Acetone	ND<11	µg/kg		ENS	0289520008SA	Volatile Organics
Benzene	ND<5.4	µg/kg		ENS	0289520008SA	Volatile Organics
Bromoform	ND<5.4	µg/kg		ENS	0289520008SA	Volatile Organics
Carbon Disulfide	ND<5.4	µg/kg		ENS	0289520008SA	Volatile Organics

LEA Data Management

SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Areas

Location Identifier NK-SS-06

Carbon Tetrachloride	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Chlorobenzene	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Chlorodibromomethane	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Chloroethane	ND<11	µg/kg	ENS	0289520008SA	Volatile Organics
Chloroform	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Dichlorobromomethane	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Dichloroethane,1,1-	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Dichloroethane,1,2-	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Dichloroethylene,1,1-	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Dichloroethylene,1,2-	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Dichloropropane,1,2-	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Dichloropropylene,1,3-cis-	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Dichloropropylene,1,3-trans-	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Ethylbenzene	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Hexanone,2-	ND<11	µg/kg	ENS	0289520008SA	Volatile Organics
Methyl Bromide	ND<11	µg/kg	ENS	0289520008SA	Volatile Organics
Methyl Chloride	ND<11	µg/kg	ENS	0289520008SA	Volatile Organics
Methyl Ethyl Ketone	ND<11	µg/kg	ENS	0289520008SA	Volatile Organics
Methylene Chloride	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Methyl-2-pentanone,4-	ND<11	µg/kg	ENS	0289520008SA	Volatile Organics
Styrene	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Tetrachloroethane,1,1,2,2-	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Tetrachloroethylene	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Toluene	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Trichloroethane,1,1,1-	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Trichloroethane,1,1,2-	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Trichloroethylene	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics
Vinyl Acetate	ND<11	µg/kg	ENS	0289520008SA	Volatile Organics
Vinyl Chloride	ND<11	µg/kg	ENS	0289520008SA	Volatile Organics
Xylenes (Total)	ND<5.4	µg/kg	ENS	0289520008SA	Volatile Organics

LEA Data Management

SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Areas

Location Identifier NK-SS-11

Location Identifier	NK-SS-11
Sample Date	7/ 7/93
Sample Identifier	01115070793 Soil Sample

Chemical Name	Concentration	Units	Flags	Lab.	Lab. Number	Chemical Class
Beryllium	0.31	mg/kg		ENS	0293190004SA	Metals

US EPA New England
RCRA Document Management System
Image Target Sheet

RDMS Document ID # 2225

Facility Name: PRATT & WHITNEY (MAIN ST)

Facility ID#: CTD990672081

Phase Classification: R-5

Purpose of Target Sheet:

[X] **Oversized** (in Site File) [ ] **Oversized** (in Map Drawer)

[ ] **Page(s) Missing** (Please Specify Below)

[ ] **Privileged** [ ] **Other** (Provide Purpose Below)

Description of Oversized Material, if applicable:

X-410 AREA LOCATION & CONSTITUENTS DETECTED MAP - DRAWING 1

[X] **Map** [ ] **Photograph** [ ] **Other** (Specify Below)

*** Please Contact the EPA New England RCRA Records Center to View This Document ***

UNIT SPECIFIC TECHNICAL MEMORANDUM: X-415 AREA
PRATT & WHITNEY, EAST HARTFORD

AREA: North Klondike

SUB-AREA: X-415 Area

ENVIRONMENTAL UNIT: X-415 Combustion Lab (Originally X-195D), X-416, X-417, X-419 and X-420, X-426 and X-427, X-449, X-450, InfraRed Laboratory X-450, Boiler Room, X-451 (Originally X-190)

Location: North Klondike (Suntan Area), fourth road north on main access road, from Perimeter Road (Drawing 1).

Description: The dimensions of these units are as follows: X-415 Combustion Lab - 26.5' x 32' room; X-416 - 12.5' x 20' room; X-417 - 12.5' x 20' room; X-419 and X-420 - 14' x 31.5' room; X-426 and X-427 - 16' x 36' room; X-449 - 32' x 34.5' room; X-450 - 30' x 50' room; Infra Red Laboratory X-450 - 11' x 122.5' room; Boiler room - 10.75' x 17.75' room; X-451 - 12'x26' room. Presently only the concrete foundations of the above structures remain.

The boiler room included an oil-fired boiler, an electric water heater, and associated piping. The boiler and much of the piping was coated with insulation. The oil tank for the boiler was reportedly located west of test cell X-450 (Metcalf & Eddy, 1993).

The 1993 investigation of this area performed by Metcalf & Eddy indicated the presence of a roll of insulation (insulating material was not specified) and similar insulation on a pipe in the control room for X-451. Also noted in the burner area was a small transformer and a square steel vessel. Adjoining the cell to the south is a concrete pad where a piston compressor used to be located (Metcalf & Eddy, 1993).

Dates of Operation: All units in the X-415 Area started operation around 1957. The X-415 Combustion Lab was deactivated on January 9, 1983, while for the other units no exact dates are known. All units were demolished in 1993.

Processes: Jet engine testing was performed in all units with the exception of the X-415 Combustion Lab and the Boiler Room.

X-415 was a general purpose, air-conditioned laboratory designed to handle small scale "Bunsen burner" sized combustion experiments.

An oil-fired boiler operated in the Boiler Room.

Specific Contaminants of Concern: Jet fuels and cleaning solvents, with the exception of the Boiler Room where fuel oils were used.

Area-Wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated

biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted.

Potential Release Mechanism: The most likely release mechanism is potential spillage and/or leakage onto the pavement which could affect the underlying soil and groundwater. The potential impact to the environment from a release inside any of the buildings is relatively low, since it most likely would have been contained within the respective building.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Since any release would have most likely been contained within the buildings, no further action is warranted in these units.

Two additional separate investigations were conducted in the X-415 Sub-Area (*X-415 Septic System and Drywell* and the *X-415 Boiler Room AST*) and should be referred to independently.

US EPA New England
RCRA Document Management System
Image Target Sheet

RDMS Document ID # 2225

Facility Name: PRATT & WHITNEY (MAIN ST)

Facility ID#: CTD990672081

Phase Classification: R-5

Purpose of Target Sheet:

[X] **Oversized** (in Site File) [ ] **Oversized** (in Map Drawer)

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Description of Oversized Material, if applicable:

X-415 AREA LOCATION MAP - DRAWING 1

[X] **Map** [ ] **Photograph** [ ] **Other** (Specify Below)

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UNIT SPECIFIC TECHNICAL MEMORANDUM: X-430 AREA
PRATT & WHITNEY, EAST HARTFORD

AREA: North Klondike

SUB-AREA: X-430 Area

ENVIRONMENTAL UNITS: Test Cell X-430 (originally X-191D), Test Cell X-431 (originally X-191C), Test Cell X-432 (originally X-191B), Test Cell X-433 (originally X-191A), Test Cell X-434, Test Cell X-435 (originally X-191C), Test Cell X-436

Location: North Klondike (Suntan) Area, fifth road north on main access road, from Perimeter Road (Drawing 1).

Description: The dimensions of these units are given below:

Test Cell X-430 - 16' x 20' room

Test Cell X-431 - 10.25' x 20' room

Test Cell X-432 - 16' x 20' room

Test Cell X-433 - 16' x 20' room

Test Cell X-434 - 15.5' x 15' room

Test Cell X-435 - 10.25' x 20' room

Test Cell X-436 - 15.5' x 15' room

The X-430 control room had a tile floor. Presently, only the foundation remains for all of these structures.

Dates of Operation: Approximately 1957 to 1993.

Processes: Jet engine testing.

Specific Contaminants of Concern: Jet fuels and cleaning solvents.

Area-wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted.

Potential Release Mechanisms: The most likely release mechanism for Test Cells X-430, X-431, X-432, X-433, X-434, X-435, and X-436 is potential spillage and or leakage which could affect the underlying soil and groundwater; however, the potential impact to the environment from a release inside these Cells is relatively low, since any contaminant spills and/or leakage (containing VOCs, SVOCs, PCBs, Metals, and TPH) would most likely have been contained within the building.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Since the likelihood of a spill is low no further investigation is warranted for these environmental units. Two separate investigations were conducted in the X-430 Area (*X-430 Stainless Steel Tank* and *X-430 Above Ground Storage Tank*) and should be referred to independently.

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Image Target Sheet

RDMS Document ID # 2225

Facility Name: PRATT & WHITNEY (MAIN ST)

Facility ID#: CTD990672081

Phase Classification: R-5

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Description of Oversized Material, if applicable:

X-430 AREA LOCATION MAP - DRAWING 1

[X] Map [ ] Photograph [ ] Other (Specify Below)

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UNIT SPECIFIC TECHNICAL MEMORANDUM: TIE-DOWN AREA
PRATT & WHITNEY, EAST HARTFORD

AREA: South Klondike

SUB-AREA: Tie-Down Area

ENVIRONMENTAL UNIT: Test Stand X-309

Location: The Tie-Down Area is located immediately to the East of Perimeter Road (Drawing 1).

Description: The Test Stand X-309 consisted of an overhead steel beam supporting structure with a overhead flat roof shelter 18' by 32', approximately 18 feet above the ground. The engine exhaust area was covered with one and one-half inch trap rock held down with heavy wire screen to prevent erosion.

Dates of Operation: Test Stand X-309 was operated from about 1957 until it was dismantled in June 1984.

Processes: The Test Stand X-309 was used for testing of jet engines.

Specific Contaminants of Concern: Test Stand X-309 used JP-5 fuel and special fuels as required by test.

Area-wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted.

Potential Release Mechanism: The most likely release mechanism in the Test Stand X-309 Area is potential spillage and/or leakage which could affect the underlying soil and groundwater. Since fuel was used on an "as-needed" basis the potential for leaks and/or spills was minimized.

INVESTIGATION AND REMEDIATION

No further investigation is warranted for Test Stand X-309 due to the low likelihood for a release.

Two separate investigations were conducted in the Tie-Down Area (*Fire Training Area and B-24 Test Stand* and the *USTs and ASTs*) and should be referred to independently.

US EPA New England
RCRA Document Management System
Image Target Sheet

RDMS Document ID # 2225

Facility Name: PRATT & WHITNEY (MAIN ST)

Facility ID#: CTD990672081

Phase Classification: R-5

Purpose of Target Sheet:

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Description of Oversized Material, if applicable:

TIE-DOWN AREA LOCATION MAP - DRAWING 1

[X] Map [ ] Photograph [ ] Other (Specify Below)

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UNIT SPECIFIC TECHNICAL MEMORANDUM: UNDEVELOPED LAND: SOUTH KLONDIKE AREA

PRATT & WHITNEY, EAST HARTFORD

AREA: South Klondike

SUB-AREA: Undeveloped Land Area

ENVIRONMENTAL UNIT: Undeveloped Land

Location: East of the developed portion of the South Klondike (Drawing 1).

Description: 47 wooded acres.

Dates of Operation: Approximately 1929 to 1995.

Processes: No reported use.

Specific Contaminants of Concern: No contaminants are believed to be present.

Area-Wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted.

Potential Release Mechanism: The most likely release mechanism is potential spillage which could affect the underlying soil and groundwater. However, the likelihood for a spill is low since this unit was not developed.

any USI? any review of EPIC's conclusions re: this area?

INVESTIGATION AND REMEDIATION ACTIVITIES:

Various supplemental groundwater investigations have also been conducted in the South Klondike Undeveloped Land Area. Out of the six monitoring wells (SK-MW-01, SK-MW-02, SK-MW-03, SK-MW-04, SK-MW-09, and SK-MW-10) in the Undeveloped Land Area one VOC, TPH, and four metals have been detected. For a more detailed account of these sampling events refer to LEA *Technical Memorandum 3 of Groundwater Sampling and Quality* dated March 30, 1998.

Since the South Klondike Undeveloped Land Unit had a low probability of a release, no further subsurface soil investigations are warranted.

One additional separate investigation was conducted in the South Klondike Undeveloped Land Sub-Area (*Debris Piles*) and should be referred to independently.

? this gives some usage ... ?

why no soil data for MWs with LNAPL?

US EPA New England
RCRA Document Management System
Image Target Sheet

RDMS Document ID # 2225

Facility Name: PRATT & WHITNEY (MAIN ST)

Facility ID#: CTD990672081

Phase Classification: R-5

Purpose of Target Sheet:

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Description of Oversized Material, if applicable:

SOUTH KLONDIKE UNDEVELOPED LAND LOCATION MAP - DRAWING 1

[X] Map [ ] Photograph [ ] Other (Specify Below)

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UNIT SPECIFIC TECHNICAL MEMORANDUM: X-307 AREA
PRATT & WHITNEY, EAST HARTFORD

AREA: South Klondike

SUB-AREA: X-307 Area

ENVIRONMENTAL UNIT: Test Stand X-307

Location: Formerly located along the Airport Perimeter Road south of the turn-off leading to the Cryogenics Building and the Virgin Products Storage Area (Drawing 1).

Description: Test Stand X-307 consisted of an open stand with a transit roof and side curtains for weather protection. Thirty-foot high rigid steel frames were anchored to a 30' by 40' concrete pad. There was a Control House located 30 feet from the test stand. This was constructed of reinforced concrete mostly below ground level. Presently, only the foundation remains for these two structures.

Dates of Operation: The original X-307 Test Stand and Control House began operation around 1957. The redesigned X-307 Test Stand and Control House were constructed in 1967 and demolished in the early 1990s.

Processes: Sound and performance studies for the JT9D engine.

Specific Contaminants of Concern: Jet A fuel.

Area-Wide Classes of Contaminants: Volatile organic compounds (VOCs), Semi-volatile organic compounds (SVOCs), the RCRA 8 metals plus nickel and zinc, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). No information relating to the use of items containing all of these contaminants was found. This larger list of possible contaminants was included as an example of constituents that may have been used elsewhere at this Pratt & Whitney facility. Analysis of these constituents was conducted in order to be as comprehensive as possible in the investigation that was conducted.

Potential Release Mechanism: A possible release mechanism is potential spillage which could have affected the underlying soil and groundwater. The likelihood for a spill in Test Stand X-307 was low, because fuel for engine tests was only used on an "as-needed" basis. Similarly, the likelihood for spills from the Control House affecting underlying soil or groundwater was low, since it would have been contained within the building.

implying that don't need fuel for engine testing?

INVESTIGATION AND REMEDIATION ACTIVITIES:

Since the likelihood of a spill in the Test Stand X-307 and the Control House is relatively low, no further action is warranted in these units.

Two additional separate investigations were conducted in the X-307 Sub-Area (*X-307 Septic System* and the *X-307 Rubble Piles*) and should be referred to independently.

US EPA New England
RCRA Document Management System
Image Target Sheet

RDMS Document ID # 2225

Facility Name: PRATT & WHITNEY (MAIN ST)

Facility ID#: CTD990672081

Phase Classification: R-5

Purpose of Target Sheet:

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[ ] **Privileged** [ ] **Other** (Provide Purpose Below)

Description of Oversized Material, if applicable:

X-307 AREA LOCATION MAP - DRAWING 1

[X] **Map** [ ] **Photograph** [ ] **Other** (Specify Below)

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DRAFT

UNIT SPECIFIC TECHNICAL MEMORANDUM: X-410 SEPTIC SYSTEM
PRATT & WHITNEY, EAST HARTFORD, CT

AREA: North Klondike

SUB-AREA: X-410

ENVIRONMENTAL UNIT: X-410 Maintenance and Storage Septic System

Location: In the North Klondike Area, second road south on North Access Road from Perimeter Road (Drawing 1).

Description: The former septic system consisted of a circular septic tank approximately 8 feet in diameter and 5 feet in depth, approximately 1,500 gallons in size, and a leaching field. The septic system serviced the Maintenance and Storage Building which was a 15 foot by 25 foot structure with a slab-on-grade foundation. Presently, only the foundation of this building remains. The septic tank has been removed. The specifics on the construction details for the septic tank and the leaching field were not available.

Dates of Operation: Approximately early 1960's to 1993.

Processes: Domestic sewage from the Maintenance and Storage Building.

Aerial Photographs: Large-scale aerial photographs for 1965, 1970, and 1975 were obtained from Keystone Aerial Surveys, Inc. Several small aerial photos were obtained from the Pratt & Whitney (P&W) Photographic Services Department. All of these aerial photos reveal that the Maintenance and Storage Building was an existing structure in the North Klondike from at least the date of the earliest photo, 1965.

Specific Contaminants of Concern: The specific contaminants are unknown. In order to be as comprehensive as possible in the investigation that was conducted, the following constituent groups were analyzed for: volatile organic compounds (VOCs), metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nickel, and zinc), and polychlorinated biphenyls (PCBs).

Potential Release Mechanism: Impacts to soils and groundwater associated with potential leaks from the septic tank, and seepage from the leaching field.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the potential for a release associated with the septic system, subsurface investigations in the vicinity of the septic system were performed. These investigations were performed in July 1993 and August 1995. Prior to 1993, no investigation of this unit had reportedly been performed. On April 8, 1997 the septic system was removed.

An incidental investigation that involved a site-wide electromagnetic terrain conductivity survey was performed in early December 1989 by Westinghouse Environmental and Geotechnical Services, Inc. (Westinghouse). This survey was performed using a Geonics, Ltd. EM-31 terrain conductivity meter.

UNIT-SPECIFIC TECHNICAL MEMORANDUM: FORMER OIL STORAGE RACK

PRATT & WHITNEY, EAST HARTFORD, CT

AREA: North Klondike

SUB-AREA: X-410

ENVIRONMENTAL UNIT: Former Oil Storage Rack

Location: North Klondike Area; second road south on North Access Road from Perimeter Road (Drawing 1). A former oil storage rack was located northwest of the Maintenance and Storage Building near the edge of the paved area.

Description: A former oil storage rack consisted of an approximately 30-foot long by 10-foot wide area as identified on available mapping (Pratt & Whitney (P&W) Plant Engineering, 1976). Information on the material of construction for the base beneath the oil storage rack was unavailable. Presently, only six inches of trap-rock gravel mixed with soil is present in the area where this unit was shown on the map.

Dates of Operation: Pre-1965 to Post-1983.

Processes: Storage of oil in containers on an outdoor rack.

Aerial Photographs: Large-scale aerial photographs for 1965, 1970, and 1975 were obtained from Keystone Aerial Surveys, Inc. Three smaller aerial photos from 1977, 1983, and 1987 were obtained from the P&W Photographic Services Department.

Except for the smaller 1983 and 1987 photographs, all of the photographs portray the oil storage rack as an area used to store drums and other miscellaneous containers.. The 1983 and 1987 photographs show that the oil rack had been removed and that this area was no longer in use for storage. At the times of the 1983 and 1987 photographs, small vegetative under-growth predominated the former oil storage rack area.

Specific Contaminants of Concern: Oil is the primary contaminant of concern. In order to be as comprehensive as possible in the investigation that was conducted, the following constituent groups were analyzed for: volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, metals, nickel and zinc), and total petroleum hydrocarbons (TPH).

Potential Release Mechanism: Impacts to soils and groundwater due to potential leaks or spills associated with the oil storage rack.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the potential for a release associated with the former oil storage rack, a subsurface investigation to determine the degree and extent of soil contamination was performed in March 1997 and May 1997. Prior to 1997, no investigation of this unit had reportedly been performed.

March 1997 Investigation (Loureiro Engineering Associates):

Description: On March 4, 1997, four soil borings, NK-SB-256 through NK-SB-259 (Drawing 1), were advanced in the vicinity of the former oil storage rack by Loureiro Engineering Associates, P.C. (LEA) personnel. Soil samples were collected from each of the borings in continuous two-foot intervals to a depth of twelve feet. The depth of the borings was selected to insure that the varved clay was encountered and that sufficient data were collected for comparisons against the direct exposure criteria in the Connecticut Remediation Standard Regulations (RSRs).

A total of twenty-five soil samples from the soil borings were submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs (benzene (BZ), ethylbenzene (EBZ), tetrachloroethylene (PCE), toluene (TL), 1,1,1-trichloroethane (TCA), trichloroethylene (TCE), and xylenes (XYL)). Based on visual, olfactory, or instrument evidence, and with consideration of the potential release mechanism, two soil samples from each boring were submitted to Averill Environmental Laboratory, Inc. (AEL) and analyzed for the presence of VOCs, metals, and TPH. In addition, one soil sample from each boring was submitted to AEL and analyzed for the presence of SVOCs.

Groundwater samples were also collected from borings NK-SB-256, NK-SB-257, and NK-SB-259 using Geoprobe® screenpoint groundwater sampling techniques. A groundwater sample was also collected from boring NK-SB-258 using a temporary, one-inch diameter, polyvinyl chloride (PVC) well screen. The groundwater samples were collected from depths of 5 to 6 feet below the ground surface in borings NK-SB-257 and NK-SB-259, from a depth of 6 to 7 feet in boring NK-SB-256, and from 4 to 7 feet in boring NK-SB-258. The groundwater samples were submitted to AEL for analysis of VOCs, SVOCs, and TPH. The analyses selected were concurrent with the analyses conducted for the soil samples from the same locations. A summary of the samples collected and analyses performed is included in Table 1.

Investigation Results: Based on the boring logs, groundwater was encountered at approximately four feet in borings NK-SB-256 through NK-SB-259. Varved clay was encountered at approximately 8.5 feet in boring NK-SB-258 and 9 feet in borings NK-SB-256, NK-SB-257, and NK-SB-259. No visual or olfactory evidence of contamination was noted in the boring logs, except for a slight petroleum odor in boring NK-SB-256 at 2 to 3 feet. Fill material was noted in borings NK-SB-256 at 0 to 0.5 foot and NK-SB-257 at 0 to 0.5 foot and consisted of trap-rock gravel mixed with sand.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each sampling location are shown on Drawing 1. Several VOCs were detected in the soil samples submitted to the LEA Analytical Laboratory, from borings NK-SB-257, NK-SB-258, and NK-SB-259, including PCE, TCE, and XYL.

PCE was the only quantifiable VOC detected in the soil samples submitted to AEL. PCE was detected in soil samples from locations NK-SB-257, NK-SB-258, and NK-SB-259. No other VOCs were detected in the remaining soil samples submitted to AEL. Also, TCA and TCE were noted as "N1" in boring NK-SB-258 at 0 to 2 feet. The "N1" qualifier indicates that it was noted above the method detection limit, but below the reportable quantitation limit. TCE was noted as "N1" in boring NK-SB-259 at 0 to 2 feet.

No SVOCs were detected in the soil samples submitted to AEL. However, benzo[b]fluoranthene (BBF) was noted as "N1" in boring NK-SB-257 at 0 to 2 feet. TPH was detected in boring NK-SB-256 at 2 to 4 feet and in the duplicate sample analyzed from this location. TPH was not detected in any of the remaining soil samples submitted to AEL for analysis.

One or more of the metals analyzed were detected in each of the soil samples submitted for analysis. These metals include barium, cadmium, chromium, and zinc.

No VOCs, SVOCs, or TPH were detected in any of the groundwater samples submitted for analysis to AEL. A complete summary of groundwater analytical results with detection limits is presented in Table 4.

Data Evaluation and Conclusions: Based on the presence of VOCs in the soil samples at borings NK-SB-257 through NK-SB-259 and TPH in boring NK-SB-256 at a depth of 2 to 4 feet, there is evidence that a release may have occurred in the vicinity of this unit. The degree and extent of the potential release has not yet been adequately characterized in the vicinity of these borings.

The soil boring data were compared against the default numeric criteria included in the RSR and the site-specific background soil concentrations for the North Klondike for various inorganic constituents (Fuss & O'Neill, 1994). For a more detailed discussion of background concentrations of metals in soil refer to *Technical Memorandum 4, Background Soil Data.* Criteria are established in the RSR based on exposure pathways for various environmental media, including soil and groundwater.

A qualitative evaluation was performed because characterization of the identified contamination has not been completed. The intent of the comparison is not to show compliance with the RSR, but rather to give a general perspective regarding the magnitude of contamination detected. This qualitative evaluation of the soils data is based on a comparison to the default numeric residential and industrial/commercial direct

exposure criteria (DEC), the default numeric GB pollutant mobility criteria (PMC) included in the RSR, as well as the site-specific background concentrations.

The concentrations of the metals detected in the soil samples are typical of site-wide background concentrations, and are not indicative of a release from this unit. For the metals detected in soil, no exceedances of the default numeric residential or industrial/commercial DEC were noted. For the VOCs and TPH detected in the soil, no exceedances of the default numeric residential or industrial/commercial DEC or the default numeric GB PMC (for soil samples from above the water table) were noted.

May 1997 Investigation (LEA): implies there were exceedances below WT

Description: On May 21 and 22, 1997, five soil borings (NK-SB-299 through NK-SB-303) were advanced in the vicinity of the former oil storage rack to the varved clay, as shown on Drawing 1. Soil samples were collected from each of the borings in continuous two-foot intervals to a depth of ten feet. The five additional borings were advanced around borings NK-SB-257 through NK-SB-259, where VOCs had been detected, and boring NK-SB-256, where TPH had been detected.

A total of twenty-seven soil samples from the soil borings were submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs. Quanterra Inc. (QNT) analyzed two soil samples from each boring at select depths for the presence of VOCs. Soil samples from the depths of 0 to 2 and 2 to 4 feet (above the water table) from three of these additional borings were also analyzed by QNT for the presence of TPH. A summary of the samples collected and analyses performed for this unit is included in Table 1. what is significance?

why only 3 ? @ these depths.

Investigation Results: Based on the boring logs, groundwater was encountered between approximately four to six feet in borings NK-SB-299 through NK-SB-303. Varved clay was encountered at approximately 9 feet in borings NK-SB-301 and NK-SB-303, 9.5 feet in boring NK-SB-302, and 10 feet in borings NK-SB-299 and NK-SB-300. No visual or olfactory evidence of contamination was noted on the boring logs. Asphalt was noted in boring NK-SB-299 at 0 to 0.5 foot.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each sampling location are shown on Drawing 1. No VOCs were detected in the soil samples submitted to the LEA Analytical Laboratory from the five borings. Acetone and methylene chloride were the only VOCs detected in the soil samples submitted to QNT. Both of these VOCs are common laboratory contaminants which were not detected during the previous investigation, and are not believed to be present at this unit. TPH was detected in boring NK-SB-301 at 0 to 2 feet. TPH was not detected in this boring at a depth 2 to 4 feet, or in any of the other samples analyzed for TPH from the other borings.

Data Evaluation and Conclusions: Based on the presence of VOCs in the soil at borings NK-SB-257 through NK-SB-259 and TPH in borings NK-SB-256 at a depth of 2 to 4 feet and NK-SB-301 at 0 to 2 feet, there is evidence that a limited release may have occurred in the vicinity of this unit. The degree and extent of the potential release has been adequately characterized in the vicinity of these borings.

The soil boring data were compared against the default numeric criteria included in the RSR. For the VOCs detected in the soil, no exceedances of the default numeric residential or industrial/commercial DEC or the default numeric GB PMC (for soil samples from above the water table) were noted.

Based on the analytical results for the soil samples, this unit is believed to be adequately characterized. No exceedances of the default numeric criteria included in the RSR were noted. As a result, no further action is necessary at this unit. The analytical results for groundwater samples immediately below this unit did not indicate the presence of VOCs, SVOCs, or TPH. The groundwater data for this unit supports the conclusion that no further action is warranted.

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Fuss & O'Neil, Inc, 1994, *Soil Sampling Background Areas – North Klondike*, prepared for Pratt & Whitney.

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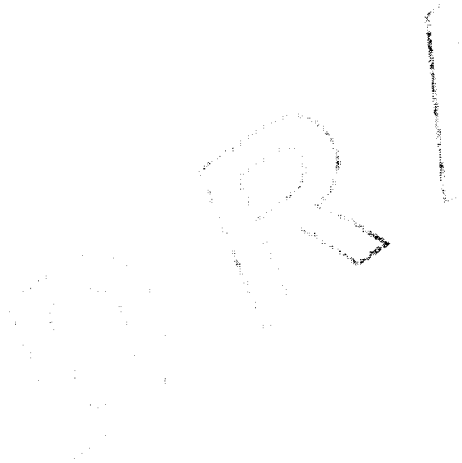

TABLES

Table 1
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: X-410 Former Oil Storage Rack

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SB-256	1027078	3/4/97	0	2	SB	x								
NK-SB-256	1027079	3/4/97	2	4	SB	x	x					X		X
NK-SB-256	1027080	3/4/97	2	4	SB	x	x					X		X
NK-SB-256	1027081	3/4/97	4	6	SB	x								
NK-SB-256	1027082	3/4/97	6	8	SB	x								
NK-SB-256	1027121	3/4/97	6	7	GW		x	x						x
NK-SB-256	1027083	3/4/97	8	10	SB	x	x	x				X		x
NK-SB-256	1027084	3/4/97	10	12	SB	x								
NK-SB-257	1027085	3/4/97	0	2	SB	X	X	x				X		x
NK-SB-257	1027086	3/4/97	2	4	SB	x								
NK-SB-257	1027087	3/4/97	4	6	SB	x	x					X		x
NK-SB-257	1027122	3/4/97	5	6	GW		x	x						x
NK-SB-257	1027088	3/4/97	6	8	SB	x								
NK-SB-257	1027089	3/4/97	8	10	SB	x								
NK-SB-257	1027090	3/4/97	10	12	SB	x								
NK-SB-258	1027091	3/4/97	0	2	SB	x	X					X		x
NK-SB-258	1027092	3/4/97	2	4	SB	x								
NK-SB-258	1027093	3/4/97	4	6	SB	X	x	x				X		x
NK-SB-258	1027123	3/4/97	4	7	GW		x	x						x
NK-SB-258	1027094	3/4/97	6	8	SB	X								
NK-SB-258	1027095	3/4/97	8	10	SB	x								
NK-SB-258	1027096	3/4/97	10	12	SB	x								
NK-SB-259	1027097	3/4/97	0	2	SB	X	X	x				X		x
NK-SB-259	1027098	3/4/97	2	4	SB	x								
NK-SB-259	1027099	3/4/97	4	6	SB	x								
NK-SB-259	1027124	3/4/97	5	6	GW		x	x						x
NK-SB-259	1027100	3/4/97	6	8	SB	x	x					X		x
NK-SB-259	1027101	3/4/97	8	10	SB	x								
NK-SB-259	1027102	3/4/97	10	12	SB	x								
NK-SB-299	1634058	5/21/97	0	2	SPB	x								X
NK-SB-299	1634059	5/21/97	2	4	SPB	x	X							x

Notes: 1. Legend: X - Analysed: at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 04/20/98

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Table 1
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: X-410 Former Oil Storage Rack

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SB-299	1634060	5/21/97	2	4	SPB	x	x							x
NK-SB-299	1634061	5/21/97	4	6	SB	x	X							
NK-SB-299	1634062	5/21/97	6	8	SB	x								
NK-SB-299	1634063	5/21/97	8	10	SB	x								
NK-SB-300	1634064	5/21/97	0	2	SB	x								x
NK-SB-300	1634065	5/21/97	2	4	SB	x	X							x
NK-SB-300	1634066	5/21/97	4	6	SB	x								
NK-SB-300	1634067	5/21/97	6	8	SB	x	X							
NK-SB-300	1634068	5/21/97	8	10	SB	x								
NK-SB-301	1634069	5/21/97	0	2	SB	x								x
NK-SB-301	1634070	5/21/97	2	4	SB	x	X							x
NK-SB-301	1634071	5/21/97	4	6	SB	x								
NK-SB-301	1634072	5/21/97	6	8	SB	x	X							
NK-SB-301	1634073	5/21/97	8	10	SB	x								
NK-SB-302	1634076	5/22/97	0	2	SB	x								x
NK-SB-302	1634077	5/22/97	2	4	SB	x								x
NK-SB-302	1634078	5/22/97	2	4	SB	x								
NK-SB-302	1634079	5/22/97	4	6	SB	x	X							
NK-SB-302	1634080	5/22/97	6	8	SB	x								
NK-SB-302	1634081	5/22/97	8	10	SB	x								
NK-SB-303	1634082	5/22/97	0	2	SB	x								x
NK-SB-303	1634083	5/22/97	2	4	SB	x								x
NK-SB-303	1634084	5/22/97	4	6	SB	x								
NK-SB-303	1634085	5/22/97	6	8	SB	x	X							
NK-SB-303	1634086	5/22/97	8	10	SB	x								

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

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Table 2
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-258
	Sample ID	1027079	1027080	1027083	1027085	1027085	1027087	1027091
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	10:25	10:25	10:52	12:47	12:47	12:55	14:00
	Sample Depth	2' - 4'	2' - 4'	8' - 10'	0' - 2'	0' - 2'	4' - 6'	0' - 2'
	Laboratory	AEL	AEL	AEL	AEL	LEA	AEL	AEL
	Lab. Number	AEL97003082	AEL97003083	AEL97003084	AEL97003085	97-1774-274	AEL97003086	AEL97003087
Constituent	Units							
Date Metals Analyzed	-	03/18/1997	03/18/1997	03/18/1997	03/18/1997		03/18/1997	03/18/1997
Date Organics Analyzed	-				03/18/1997	03/05/1997		03/18/1997
Barium	mg/kg	35.6	22.9	25.8	34.2		28.5	57.1
Cadmium	mg/kg				4.74			
Chromium	mg/kg	9.57	8.97		6.93			6.23
Zinc	mg/kg	13	11.4	13	15.8		10.4	12.1
Total Petroleum Hydrocarbons	mg/kg	134	125					
Acetone	µg/kg							
Methylene Chloride	µg/kg							
Tetrachloroethylene	µg/kg				8.8			20
Tetrachloroethylene (mobile)	µg/kg					20 J		
Trichloroethylene (mobile)	µg/kg							
Xylenes,m- & p- (mobile)	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 04/20/98

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Table 2
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-299
	Sample ID	1027093	1027093	1027094	1027097	1027097	1027100	1634061
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	05/21/1997
	Sample Time	14:10	14:10	14:14	14:47	14:47	14:57	11:25
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	0' - 2'	0' - 2'	6' - 8'	4' - 6'
	Laboratory	AEL	LEA	LEA	AEL	LEA	AEL	QUAN
	Lab. Number	AEL97003088	97-1787-287	97-1788-288	AEL97003089	97-1792-292	AEL97003090	A7E270121004
Constituent	Units							
Date Metals Analyzed	-	03/18/1997			03/18/1997		03/18/1997	
Date Organics Analyzed	-		03/06/1997	03/06/1997	03/18/1997	03/06/1997		06/02/1997
Barium	mg/kg	28			12.8		29.8	
Cadmium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg	38.8			7.51		11.5	
Total Petroleum Hydrocarbons	**mg/kg**							
Acetone	**µg/kg**							
Methylene Chloride	**µg/kg**							7.5
Tetrachloroethylene	µg/kg				11			
Tetrachloroethylene (mobile)	µg/kg		54	10 J		30 E		
Trichloroethylene (mobile)	µg/kg		8 J			9 J		
Xylenes,m- & p- (mobile)	µg/kg		12 E					

Notes: 1. Only Detects Shown
2. Printed on 04/20/98

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Table 2
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-300	NK-SB-300	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-302	NK-SB-303
	Sample ID	1634065	1634067	1634069	1634070	1634072	1634079	1634085
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/22/1997	05/22/1997
	Sample Time	13:05	13:25	14:15	14:15	14:35	10:25	11:40
	Sample Depth	2' - 4'	6' - 8'	0' - 2'	2' - 4'	6' - 8'	4' - 6'	6' - 8'
	Laboratory	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN	QUAN
	Lab. Number	A7E270121008	A7E270121010	A7E270121012	A7E270121013	A7E270121015	A7E290112005	A7E290112011
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	06/02/1997	06/02/1997		06/02/1997	06/02/1997	06/04/1997	06/05/1997
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							
Total Petroleum Hydrocarbons	**mg/kg**			120				
Acetone	**µg/kg**	59 J	50 J		49 J	34 J		43 J
Methylene Chloride	**µg/kg**		6.4			2.4 J	9.1	
Tetrachloroethylene	µg/kg							
Tetrachloroethylene (mobile)	µg/kg							
Trichloroethylene (mobile)	µg/kg							
Xylenes,m- & p- (mobile)	µg/kg							

Notes: 1. Only Detects Shown
2. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256
	Sample ID	1027078	1027079	1027079	1027080	1027080	1027081	1027082
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	10:22	10:25	10:25	10:25	10:25	10:36	10:40
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA
	Lab. Number	97-1767-267	AEL97003082	97-1768-268	AEL97003083	97-1769-269	97-1770-270	97-1771-271
Constituent	Units							
Date Metals Analyzed	-		03/18/1997		03/18/1997			
Date Organics Analyzed	-	03/05/1997	03/18/1997	03/05/1997	03/18/1997	03/05/1997	03/05/1997	03/05/1997
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg		<0.44		<0.43			
Barium	mg/kg		35.6		22.9			
Cadmium	mg/kg		<3.3		<3.21			
Chromium	mg/kg		9.57		8.97			
Lead	mg/kg		<22		<21.4			
Mercury	mg/kg		<0.09		<0.09			
Nickel	mg/kg		<11		<10.7			
Selenium	mg/kg		<1.1		<1.07			
Silver	mg/kg		<5.5		<5.34			
Zinc	mg/kg		13		11.4			
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg		134		125			
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256
	Sample ID	1027078	1027079	1027079	1027080	1027080	1027081	1027082
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	10:22	10:25	10:25	10:25	10:25	10:36	10:40
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA
	Lab. Number	97-1767-267	AEL97003082	97-1768-268	AEL97003083	97-1769-269	97-1770-270	97-1771-271
Constituent	Units							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256
	Sample ID	1027078	1027079	1027079	1027080	1027080	1027081	1027082
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	10:22	10:25	10:25	10:25	10:25	10:36	10:40
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA
	Lab. Number	97-1767-267	AEL97003082	97-1768-268	AEL97003083	97-1769-269	97-1770-270	97-1771-271
Constituent	Units							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg		<25		29			
Acrolein	µg/kg		<13		14			
Acrylonitrile	µg/kg		<13		14			
Allyl Chloride	µg/kg							
Benzene	µg/kg		<5.1		5.8			
Benzene (mobile)	µg/kg	<8		<8		<8	<8	<8
Bromobenzene	µg/kg		<5.1		<5.8			
Bromoform	µg/kg		<5.1		<5.8			
Carbon Disulfide	µg/kg		<5.1		<5.8			
Carbon Tetrachloride	µg/kg		<5.1		<5.8			
Chlorobenzene	µg/kg		<5.1		<5.8			
Chlorodibromomethane	µg/kg		<5.1		<5.8			
Chloroethane	µg/kg		<5.1		<5.8			
Chloroethyl Vinyl Ether,2-	µg/kg		<5.1		<5.8			
Chloroform	µg/kg		<5.1		<5.8			

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256
	Sample ID	1027078	1027079	1027079	1027080	1027080	1027081	1027082
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	10:22	10:25	10:25	10:25	10:25	10:36	10:40
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA
	Lab. Number	97-1767-267	AEL97003082	97-1768-268	AEL97003083	97-1769-269	97-1770-270	97-1771-271
Constituent	Units							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg		<5.1		<5.8			
Chlorotoluene,p-	µg/kg		<5.1		<5.8			
Dibromomethane	µg/kg		<5.1		<5.8			
Dichlorobenzene,1,2-	µg/kg		<5.1		<5.8			
Dichlorobenzene,1,3-	µg/kg		<5.1		<5.8			
Dichlorobenzene,1,4-	µg/kg		<5.1		<5.8			
Dichlorobromomethane	µg/kg		<5.1		<5.8			
Dichlorodifluoromethane	µg/kg		<5.1		<5.8			
Dichloroethane,1,1-	µg/kg		<5.1		<5.8			
Dichloroethane,1,2-	µg/kg		<5.1		<5.8			
Dichloroethylene,1,1-	µg/kg		<5.1		<5.8			
Dichloroethylene,1,2-cis-	µg/kg		<5.1		<5.8			
Dichloroethylene,1,2-trans-	µg/kg		<5.1		<5.8			
Dichloropropane,1,2-	µg/kg		<5.1		<5.8			
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg		<5.1		<5.8			
Dichloropropylene,1,3-trans-	µg/kg		<5.1		<5.8			
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg		<5.1		<5.8			
Ethylbenzene (mobile)	µg/kg	<17		<17		<17	<17	<17
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg		<13		<14			
Iodomethane	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg		<5.1		<5.8			
Methyl Chloride	µg/kg		<5.1		<5.8			
Methyl Ethyl Ketone	µg/kg		<13		<14			

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-256
	Sample ID	1027078	1027079	1027079	1027080	1027080	1027081	1027082
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	10:22	10:25	10:25	10:25	10:25	10:36	10:40
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA
	Lab. Number	97-1767-267	AEL97003082	97-1768-268	AEL97003083	97-1769-269	97-1770-270	97-1771-271
Constituent	Units							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg		<13		<14			
Methyl-tert-butyl Ether	µg/kg		<5.1		<5.8			
Methylene Chloride	µg/kg		<5.1		<5.8			
Propionitrile	µg/kg							
Styrene	µg/kg		<5.1		<5.8			
Tetrachloroethane,1,1,1,2-	µg/kg		<5.1		<5.8			
Tetrachloroethane,1,1,2,2-	µg/kg		<5.1		<5.8			
Tetrachloroethylene	µg/kg		<5.1		<5.8			
Tetrachloroethylene (mobile)	µg/kg	<21		<22		<21	<21	<22
Toluene	µg/kg		<5.1		<5.8			
Toluene (mobile)	µg/kg	<12		<12		<12	<12	<12
Trichloroethane,1,1,1-	µg/kg		<5.1		<5.8			
Trichloroethane,1,1,1- (mobile)	µg/kg	<211		<215		<211	<211	<215
Trichloroethane,1,1,2-	µg/kg		<5.1		<5.8			
Trichloroethylene	µg/kg		<5.1		<5.8			
Trichloroethylene (mobile)	µg/kg	<21		<21		<21	<21	<21
Trichloromonofluoromethane	µg/kg		<5.1		<5.8			
Trichloropropane,1,2,3-	µg/kg		<5.1		<5.8			
Vinyl Acetate	µg/kg		<5.1		<5.8			
Vinyl Chloride	µg/kg		<5.1		<5.8			
Xylene,o- (mobile)	µg/kg	<22		<23		<22	<22	<23
Xylenes (Total)	µg/kg		<5.1		<5.8			
Xylenes,m- & p- (mobile)	µg/kg	<11		<11		<11	<11	<11

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-257
	Sample ID	1027083	1027083	1027084	1027085	1027085	1027086	1027087
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	10:52	10:52	10:55	12:47	12:47	12:50	12:55
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	0' - 2'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	AEL
	Lab. Number	AEL97003084	97-1772-272	97-1773-273	AEL97003085	97-1774-274	97-1775-275	AEL97003086
Constituent	Units							
Date Metals Analyzed	-	03/18/1997			03/18/1997			03/18/1997
Date Organics Analyzed	-	03/18/1997	03/05/1997	03/05/1997	03/18/1997	03/05/1997	03/05/1997	03/18/1997
Date Semi-volatile Organics Analyzed	-	04/04/1997			04/04/1997			
Arsenic	mg/kg	<0.48			<0.5			<0.45
Barium	mg/kg	25.8			34.2			28.5
Cadmium	mg/kg	<3.64			4.74			<3.41
Chromium	mg/kg	<6.06			6.93			<5.68
Lead	mg/kg	<24.2			<24.3			<22.7
Mercury	mg/kg	<0.10			<0.10			<0.09
Nickel	mg/kg	<12.1			<12.2			<11.4
Selenium	mg/kg	<1.21			<1.22			<1.14
Silver	mg/kg	<6.06			<6.08			<5.68
Zinc	mg/kg	13			15.8			10.4
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg	<40.3			<40.4			<38.4
Acenaphthene	µg/kg	<410			<400			
Acenaphthylene	µg/kg	<410			<400			
Anthracene	µg/kg	<410			<400			
Benzidine	µg/kg	<410			<400			
Benzo[a]anthracene	µg/kg	<410			<400			
Benzo[a]pyrene	µg/kg	<410			<400			
Benzo[b]fluoranthene	µg/kg	<410			<400 N1			
Benzo[ghi]perylene	µg/kg	<410			<400			
Benzo[k]fluoranthene	µg/kg	<410			<400			
Bis(2-chloroethoxy)methane	µg/kg	<410			<400			
Bis(2-chloroethyl) Ether	µg/kg	<410			<400			
Bis(2-ethylhexyl)phthalate	µg/kg	<410			<400			
Bromophenyl Phenyl Ether,4-	µg/kg	<410			<400			

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-257
	Sample ID	1027083	1027083	1027084	1027085	1027085	1027086	1027087
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	10:52	10:52	10:55	12:47	12:47	12:50	12:55
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	0' - 2'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	AEL
	Lab. Number	AEL97003084	97-1772-272	97-1773-273	AEL97003085	97-1774-274	97-1775-275	AEL97003086
Constituent	Units							
Butyl Benzyl Phthalate	µg/kg	<410			<400			
Chloronaphthalene,2-	µg/kg	<410			<400			
Chlorophenol,2-	µg/kg	<410			<400			
Chlorophenyl Phenyl Ether,4-	µg/kg	<410			<400			
Chrysene	µg/kg	<410			<400			
Di-n-butyl Phthalate	µg/kg	<410			<400			
Di-n-octyl Phthalate	µg/kg	<410			<400			
Dibenzo[a,h]anthracene	µg/kg	<410			<400			
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg	<410			<400			
Dichlorophenol,2,4-	µg/kg	<410			<400			
Diethyl Phthalate	µg/kg	<410			<400			
Dimethyl Phthalate	µg/kg	<410			<400			
Dimethylphenol,2,4-	µg/kg	<410			<400			
Dinitro-o-cresol,4,6-	µg/kg	<410			<400			
Dinitrophenol,2,4-	µg/kg	<410			<400			
Dinitrotoluene,2,4-	µg/kg	<410			<400			
Dinitrotoluene,2,6-	µg/kg	<410			<400			
Diphenylhydrazine,1,2-	µg/kg	<410			<400			
Fluoranthene	µg/kg	<410			<400			
Fluorene	µg/kg	<410			<400			
Hexachlorobenzene	µg/kg	<410			<400			
Hexachlorobutadiene	µg/kg	<410			<400			
Hexachlorocyclopentadiene	µg/kg	<410			<400			
Hexachloroethane	µg/kg	<410			<400			
Indeno(1,2,3-cd)pyrene	µg/kg	<410			<400			
Isophorone	µg/kg	<410			<400			
N-nitroso-n-propylamine	µg/kg	<410			<400			

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-257
	Sample ID	1027083	1027083	1027084	1027085	1027085	1027086	1027087
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	10:52	10:52	10:55	12:47	12:47	12:50	12:55
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	0' - 2'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	AEL
	Lab. Number	AEL97003084	97-1772-272	97-1773-273	AEL97003085	97-1774-274	97-1775-275	AEL97003086
Constituent	Units							
N-nitrosodimethylamine	µg/kg	<410			<400			
N-nitrosodiphenylamine	µg/kg	<410			<400			
Naphthalene	µg/kg	<410			<400			
Nitrobenzene	µg/kg	<410			<400			
Nitrophenol,2-	µg/kg	<410			<400			
Nitrophenol,4-	µg/kg	<410			<400			
Pentachlorophenol	µg/kg	<410			<400			
Phenanthrene	µg/kg	<410			<400			
Phenol	µg/kg	<410			<400			
Propane),2,2'-oxybis(2-chloro-	µg/kg	<410			<400			
Pyrene	µg/kg	<410			<400			
Trichlorobenzene,1,2,4-	µg/kg	<410			<400			
Trichlorophenol,2,4,6-	µg/kg	<410			<400			
Acetone	µg/kg	<27			<39			<37
Acrolein	µg/kg	<14			<19			<18
Acrylonitrile	µg/kg	<14			<19			<18
Allyl Chloride	µg/kg							
Benzene	µg/kg	<5.5			<7.8			<7.4
Benzene (mobile)	µg/kg		<8	<8		<8	<8	
Bromobenzene	µg/kg	<5.5			<7.8			<7.4
Bromoform	µg/kg	<5.5			<7.8			<7.4
Carbon Disulfide	µg/kg	<5.5			<7.8			<7.4
Carbon Tetrachloride	µg/kg	<5.5			<7.8			<7.4
Chlorobenzene	µg/kg	<5.5			<7.8			<7.4
Chlorodibromomethane	µg/kg	<5.5			<7.8			<7.4
Chloroethane	µg/kg	<5.5			<7.8			<7.4
Chloroethyl Vinyl Ether,2-	µg/kg	<5.5			<7.8			<7.4
Chloroform	µg/kg	<5.5			<7.8			<7.4

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-257
	Sample ID	1027083	1027083	1027084	1027085	1027085	1027086	1027087
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	10:52	10:52	10:55	12:47	12:47	12:50	12:55
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	0' - 2'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	AEL
	Lab. Number	AEL97003084	97-1772-272	97-1773-273	AEL97003085	97-1774-274	97-1775-275	AEL97003086
Constituent	Units							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg	<5.5			<7.8			<7.4
Chlorotoluene,p-	µg/kg	<5.5			<7.8			<7.4
Dibromomethane	µg/kg	<5.5			<7.8			<7.4
Dichlorobenzene,1,2-	µg/kg	<5.5			<7.8			<7.4
Dichlorobenzene,1,3-	µg/kg	<5.5			<7.8			<7.4
Dichlorobenzene,1,4-	µg/kg	<5.5			<7.8			<7.4
Dichlorobromomethane	µg/kg	<5.5			<7.8			<7.4
Dichlorodifluoromethane	µg/kg	<5.5			<9.7			<7.4
Dichloroethane,1,1-	µg/kg	<5.5			<7.8			<7.4
Dichloroethane,1,2-	µg/kg	<5.5			<7.8			<7.4
Dichloroethylene,1,1-	µg/kg	<5.5			<7.8			<7.4
Dichloroethylene,1,2-cis-	µg/kg	<5.5			<7.8			<7.4
Dichloroethylene,1,2-trans-	µg/kg	<5.5			<7.8			<7.4
Dichloropropane,1,2-	µg/kg	<5.5			<7.8			<7.4
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg	<5.5			<7.8			<7.4
Dichloropropylene,1,3-trans-	µg/kg	<5.5			<7.8			<7.4
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg	<5.5			<7.8			<7.4
Ethylbenzene (mobile)	µg/kg		<17	<17		<17	<17	
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg	<14			<19			<18
Iodomethane	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg	<5.5			<7.8			<7.4
Methyl Chloride	µg/kg	<5.5			<7.8			<7.4
Methyl Ethyl Ketone	µg/kg	<14			<19			<18

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-256	NK-SB-256	NK-SB-256	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-257
	Sample ID	1027083	1027083	1027084	1027085	1027085	1027086	1027087
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	10:52	10:52	10:55	12:47	12:47	12:50	12:55
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	0' - 2'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	AEL
	Lab. Number	AEL97003084	97-1772-272	97-1773-273	AEL97003085	97-1774-274	97-1775-275	AEL97003086
Constituent	Units							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg	<14			<19			<18
Methyl-tert-butyl Ether	µg/kg	<5.5			<7.8			<7.4
Methylene Chloride	µg/kg	<5.5			<9.7			<7.4
Propionitrile	µg/kg							
Styrene	µg/kg	<5.5			<7.8			<7.4
Tetrachloroethane,1,1,1,2-	**µg/kg**	**<5.5**			**<7.8**			**<7.4**
Tetrachloroethane,1,1,2,2-	**µg/kg**	**<5.5**			**<7.8**			**<7.4**
Tetrachloroethylene	**µg/kg**	**<5.5**			**8.8**			**<7.4**
Tetrachloroethylene (mobile)	µg/kg		<21	<22		20 J	<22	
Toluene	µg/kg	<5.5			<7.8			<7.4
Toluene (mobile)	µg/kg		<12	<12		<12	<12	
Trichloroethane,1,1,1-	µg/kg	<5.5			<7.8			<7.4
Trichloroethane,1,1,1- (mobile)	µg/kg		<211	<215		<211	<219	
Trichloroethane,1,1,2-	µg/kg	<5.5			<7.8			<7.4
Trichloroethylene	µg/kg	<5.5			<7.8			<7.4
Trichloroethylene (mobile)	µg/kg		<21	<21		<21	<22	
Trichloromonofluoromethane	µg/kg	<5.5			<7.8			<7.4
Trichloropropane,1,2,3-	µg/kg	<5.5			<7.8			<7.4
Vinyl Acetate	µg/kg	<5.5			<7.8			<7.4
Vinyl Chloride	µg/kg	<5.5			<7.8			<7.4
Xylene,o- (mobile)	µg/kg		<22	<23		<22	<23	
Xylenes (Total)	µg/kg	<5.5			<7.8			<7.4
Xylenes,m- & p- (mobile)	µg/kg		<11	<11		<11	<12	

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-258	NK-SB-258	NK-SB-258
	Sample ID	1027087	1027088	1027089	1027090	1027091	1027091	1027092
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	12:55	13:00	13:05	13:07	14:00	14:00	14:02
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	97-1776-276	97-1777-277	97-1778-278	97-1779-279	AEL97003087	97-1780-280	97-1781-281
Constituent	Units							
Date Metals Analyzed	-					03/18/1997		
Date Organics Analyzed	-	03/05/1997	03/05/1997	03/05/1997	03/05/1997	03/18/1997	03/05/1997	03/05/1997
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg					<0.49		
Barium	mg/kg					57.1		
Cadmium	mg/kg					<3.67		
Chromium	mg/kg					6.23		
Lead	mg/kg					<24.4		
Mercury	mg/kg					<0.10		
Nickel	mg/kg					<12.2		
Selenium	mg/kg					<1.22		
Silver	mg/kg					<6.11		
Zinc	mg/kg					12.1		
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg					<41.2		
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-258	NK-SB-258	NK-SB-258
	Sample ID	1027087	1027088	1027089	1027090	1027091	1027091	1027092
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	12:55	13:00	13:05	13:07	14:00	14:00	14:02
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	97-1776-276	97-1777-277	97-1778-278	97-1779-279	AEL97003087	97-1780-280	97-1781-281
Constituent	Units							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-258	NK-SB-258	NK-SB-258
	Sample ID	1027087	1027088	1027089	1027090	1027091	1027091	1027092
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	12:55	13:00	13:05	13:07	14:00	14:00	14:02
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	97-1776-276	97-1777-277	97-1778-278	97-1779-279	AEL97003087	97-1780-280	97-1781-281
Constituent	Units							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg					<40		
Acrolein	µg/kg					<20		
Acrylonitrile	µg/kg					<20		
Allyl Chloride	µg/kg							
Benzene	µg/kg					<8.0		
Benzene (mobile)	µg/kg	<8	<8	<8	<8		<8	<8
Bromobenzene	µg/kg					<8.0		
Bromoform	µg/kg					<8.0		
Carbon Disulfide	µg/kg					<8.0		
Carbon Tetrachloride	µg/kg					<8.0		
Chlorobenzene	µg/kg					<8.0		
Chlorodibromomethane	µg/kg					<8.0		
Chloroethane	µg/kg					<8.0		
Chloroethyl Vinyl Ether,2-	µg/kg					<8.0		
Chloroform	µg/kg					<8.0		

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-258	NK-SB-258	NK-SB-258
	Sample ID	1027087	1027088	1027089	1027090	1027091	1027091	1027092
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	12:55	13:00	13:05	13:07	14:00	14:00	14:02
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	97-1776-276	97-1777-277	97-1778-278	97-1779-279	AEL97003087	97-1780-280	97-1781-281
Constituent	Units							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg					<8.0		
Chlorotoluene,p-	µg/kg					<8.0		
Dibromomethane	µg/kg					<8.0		
Dichlorobenzene,1,2-	µg/kg					<8.0		
Dichlorobenzene,1,3-	µg/kg					<8.0		
Dichlorobenzene,1,4-	µg/kg					<8.0		
Dichlorobromomethane	µg/kg					<8.0		
Dichlorodifluoromethane	µg/kg					<22		
Dichloroethane,1,1-	µg/kg					<8.0		
Dichloroethane,1,2-	µg/kg					<8.0		
Dichloroethylene,1,1-	µg/kg					<8.0		
Dichloroethylene,1,2-cis-	µg/kg					<8.0		
Dichloroethylene,1,2-trans-	µg/kg					<8.0		
Dichloropropane,1,2-	µg/kg					<8.0		
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg					<8.0		
Dichloropropylene,1,3-trans-	µg/kg					<8.0		
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg					<8.0		
Ethylbenzene (mobile)	µg/kg	<17	<16	<17	<17		<16	<16
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg					<20		
Iodomethane	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg					<8.0		
Methyl Chloride	µg/kg					<8.0		
Methyl Ethyl Ketone	µg/kg					<20		

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-257	NK-SB-258	NK-SB-258	NK-SB-258
	Sample ID	1027087	1027088	1027089	1027090	1027091	1027091	1027092
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	12:55	13:00	13:05	13:07	14:00	14:00	14:02
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	97-1776-276	97-1777-277	97-1778-278	97-1779-279	AEL97003087	97-1780-280	97-1781-281
Constituent	Units							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg					<20		
Methyl-tert-butyl Ether	µg/kg					<8.0		
Methylene Chloride	µg/kg					<14		
Propionitrile	µg/kg							
Styrene	µg/kg					<8.0		
Tetrachloroethane,1,1,1,2-	µg/kg					<8.0		
Tetrachloroethane,1,1,2,2-	µg/kg					<8.0		
Tetrachloroethylene	µg/kg					20		
Tetrachloroethylene (mobile)	µg/kg	<22	<21	<22	<22		<20	<21
Toluene	µg/kg					<8.0		
Toluene (mobile)	µg/kg	<12	<12	<12	<12		<11	<12
Trichloroethane,1,1,1-	µg/kg					<8.0 N1		
Trichloroethane,1,1,1- (mobile)	µg/kg	<219	<207	<219	<219		<203	<207
Trichloroethane,1,1,2-	µg/kg					<8.0		
Trichloroethylene	µg/kg					<8.0 N1		
Trichloroethylene (mobile)	µg/kg	<22	<20	<22	<22		<20	<20
Trichloromonofluoromethane	µg/kg					<8.0		
Trichloropropane,1,2,3-	µg/kg					<8.0		
Vinyl Acetate	µg/kg					<8.0		
Vinyl Chloride	µg/kg					<8.0		
Xylene,o- (mobile)	µg/kg	<23	<22	<23	<23		<22	<22
Xylenes (Total)	µg/kg					<8.0		
Xylenes,m- & p- (mobile)	µg/kg	<12	<11	<12	<12		<11	<11

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-259	NK-SB-259
	Sample ID	1027093	1027093	1027094	1027095	1027096	1027097	1027097
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	14:10	14:10	14:14	14:20	14:25	14:47	14:47
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	0' - 2'	0' - 2'
	Laboratory	AEL	LEA	LEA	LEA	LEA	AEL	LEA
	Lab. Number	AEL97003088	97-1787-287	97-1788-288	97-1790-290	97-1791-291	AEL97003089	97-1792-292
Constituent	Units							
Date Metals Analyzed	-	03/18/1997					03/18/1997	
Date Organics Analyzed	-	03/18/1997	03/06/1997	03/06/1997	03/06/1997	03/06/1997	03/18/1997	03/06/1997
Date Semi-volatile Organics Analyzed	-	04/04/1997					04/04/1997	
Arsenic	mg/kg	<0.5					<0.4	
Barium	mg/kg	28					12.8	
Cadmium	mg/kg	<3.66					<3.31	
Chromium	mg/kg	<6.1					<5.52	
Lead	mg/kg	<24.4					<22.1	
Mercury	mg/kg	<0.10					<0.09	
Nickel	mg/kg	<12.2					<11	
Selenium	mg/kg	<1.22					<1.1	
Silver	mg/kg	<6.1					<5.52	
Zinc	mg/kg	38.8					7.51	
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg	<40.0					<36.4	
Acenaphthene	µg/kg	<400					<370	
Acenaphthylene	µg/kg	<400					<370	
Anthracene	µg/kg	<400					<370	
Benzidine	µg/kg	<400					<370	
Benzo[a]anthracene	µg/kg	<400					<370	
Benzo[a]pyrene	µg/kg	<400					<370	
Benzo[b]fluoranthene	µg/kg	<400					<370	
Benzo[ghi]perylene	µg/kg	<400					<370	
Benzo[k]fluoranthene	µg/kg	<400					<370	
Bis(2-chloroethoxy)methane	µg/kg	<400					<370	
Bis(2-chloroethyl) Ether	µg/kg	<400					<370	
Bis(2-ethylhexyl)phthalate	µg/kg	<400					<370	
Bromophenyl Phenyl Ether,4-	µg/kg	<400					<370	

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-259	NK-SB-259
	Sample ID	1027093	1027093	1027094	1027095	1027096	1027097	1027097
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	14:10	14:10	14:14	14:20	14:25	14:47	14:47
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	0' - 2'	0' - 2'
	Laboratory	AEL	LEA	LEA	LEA	LEA	AEL	LEA
	Lab. Number	AEL97003088	97-1787-287	97-1788-288	97-1790-290	97-1791-291	AEL97003089	97-1792-292
Constituent	Units							
Butyl Benzyl Phthalate	µg/kg	<400					<370	
Chloronaphthalene,2-	µg/kg	<400					<370	
Chlorophenol,2-	µg/kg	<400					<370	
Chlorophenyl Phenyl Ether,4-	µg/kg	<400					<370	
Chrysene	µg/kg	<400					<370	
Di-n-butyl Phthalate	µg/kg	<400					<370	
Di-n-octyl Phthalate	µg/kg	<400					<370	
Dibenzo[a,h]anthracene	µg/kg	<400					<370	
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg	<400					<370	
Dichlorophenol,2,4-	µg/kg	<400					<370	
Diethyl Phthalate	µg/kg	<400					<370	
Dimethyl Phthalate	µg/kg	<400					<370	
Dimethylphenol,2,4-	µg/kg	<400					<370	
Dinitro-o-cresol,4,6-	µg/kg	<400					<370	
Dinitrophenol,2,4-	µg/kg	<400					<370	
Dinitrotoluene,2,4-	µg/kg	<400					<370	
Dinitrotoluene,2,6-	µg/kg	<400					<370	
Diphenylhydrazine,1,2-	µg/kg	<400					<370	
Fluoranthene	µg/kg	<400					<370	
Fluorene	µg/kg	<400					<370	
Hexachlorobenzene	µg/kg	<400					<370	
Hexachlorobutadiene	µg/kg	<400					<370	
Hexachlorocyclopentadiene	µg/kg	<400					<370	
Hexachloroethane	µg/kg	<400					<370	
Indeno(1,2,3-cd)pyrene	µg/kg	<400					<370	
Isophorone	µg/kg	<400					<370	
N-nitroso-n-propylamine	µg/kg	<400					<370	

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-259	NK-SB-259
	Sample ID	1027093	1027093	1027094	1027095	1027096	1027097	1027097
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	14:10	14:10	14:14	14:20	14:25	14:47	14:47
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	0' - 2'	0' - 2'
	Laboratory	AEL	LEA	LEA	LEA	LEA	AEL	LEA
	Lab. Number	AEL97003088	97-1787-287	97-1788-288	97-1790-290	97-1791-291	AEL97003089	97-1792-292
Constituent	Units							
N-nitrosodimethylamine	µg/kg	<400					<370	
N-nitrosodiphenylamine	µg/kg	<400					<370	
Naphthalene	µg/kg	<400					<370	
Nitrobenzene	µg/kg	<400					<370	
Nitrophenol,2-	µg/kg	<400					<370	
Nitrophenol,4-	µg/kg	<400					<370	
Pentachlorophenol	µg/kg	<400					<370	
Phenanthrene	µg/kg	<400					<370	
Phenol	µg/kg	<400					<370	
Propane),2,2'-oxybis(2-chloro-	µg/kg	<400					<370	
Pyrene	µg/kg	<400					<370	
Trichlorobenzene,1,2,4-	µg/kg	<400					<370	
Trichlorophenol,2,4,6-	µg/kg	<400					<370	
Acetone	µg/kg	<24					<37	
Acrolein	µg/kg	<12					<18	
Acrylonitrile	µg/kg	<12					<18	
Allyl Chloride	µg/kg							
Benzene	µg/kg	<4.8					<7.4	
Benzene (mobile)	µg/kg		<8	<8	<8	<8		<8
Bromobenzene	µg/kg	<4.8					<7.4	
Bromoform	µg/kg	<4.8					<7.4	
Carbon Disulfide	µg/kg	<4.8					<7.4	
Carbon Tetrachloride	µg/kg	<4.8					<7.4	
Chlorobenzene	µg/kg	<4.8					<7.4	
Chlorodibromomethane	µg/kg	<4.8					<7.4	
Chloroethane	µg/kg	<4.8					<7.4	
Chloroethyl Vinyl Ether,2-	µg/kg	<4.8					<7.4	
Chloroform	µg/kg	<4.8					<7.4	

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-259	NK-SB-259
	Sample ID	1027093	1027093	1027094	1027095	1027096	1027097	1027097
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	14:10	14:10	14:14	14:20	14:25	14:47	14:47
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	0' - 2'	0' - 2'
	Laboratory	AEL	LEA	LEA	LEA	LEA	AEL	LEA
	Lab. Number	AEL97003088	97-1787-287	97-1788-288	97-1790-290	97-1791-291	AEL97003089	97-1792-292
Constituent	Units							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg	<4.8					<7.4	
Chlorotoluene,p-	µg/kg	<4.8					<7.4	
Dibromomethane	µg/kg	<4.8					<7.4	
Dichlorobenzene,1,2-	µg/kg	<4.8					<7.4	
Dichlorobenzene,1,3-	µg/kg	<4.8					<7.4	
Dichlorobenzene,1,4-	µg/kg	<4.8					<7.4	
Dichlorobromomethane	µg/kg	<4.8					<7.4	
Dichlorodifluoromethane	µg/kg	<9.6					<11	
Dichloroethane,1,1-	µg/kg	<4.8					<7.4	
Dichloroethane,1,2-	µg/kg	<4.8					<7.4	
Dichloroethylene,1,1-	µg/kg	<4.8					<7.4	
Dichloroethylene,1,2-cis-	µg/kg	<4.8					<7.4	
Dichloroethylene,1,2-trans-	µg/kg	<4.8					<7.4	
Dichloropropane,1,2-	µg/kg	<4.8					<7.4	
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg	<4.8					<7.4	
Dichloropropylene,1,3-trans-	µg/kg	<4.8					<7.4	
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg	<4.8					<7.4	
Ethylbenzene (mobile)	µg/kg		<16	<17	<17	<17		<17
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg	<12					<18	
Iodomethane	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg	<4.8					<7.4	
Methyl Chloride	µg/kg	<4.8					<7.4	
Methyl Ethyl Ketone	µg/kg	<12					<18	

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-258	NK-SB-259	NK-SB-259
	Sample ID	1027093	1027093	1027094	1027095	1027096	1027097	1027097
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997
	Sample Time	14:10	14:10	14:14	14:20	14:25	14:47	14:47
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	0' - 2'	0' - 2'
	Laboratory	AEL	LEA	LEA	LEA	LEA	AEL	LEA
	Lab. Number	AEL97003088	97-1787-287	97-1788-288	97-1790-290	97-1791-291	AEL97003089	97-1792-292
Constituent	Units							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg	<12					<18	
Methyl-tert-butyl Ether	µg/kg	<4.8					<7.4	
Methylene Chloride	µg/kg	<6.0					<11	
Propionitrile	µg/kg							
Styrene	µg/kg	<4.8					<7.4	
Tetrachloroethane,1,1,1,2-	**µg/kg**	**<4.8**					**<7.4**	
Tetrachloroethane,1,1,2,2-	**µg/kg**	**<4.8**					**<7.4**	
Tetrachloroethylene	**µg/kg**	**<4.8**					**11**	
Tetrachloroethylene (mobile)	µg/kg		54	10 J	<22	<21		30 E
Toluene	µg/kg	<4.8					<7.4	
Toluene (mobile)	µg/kg		<12	<12	<12	<12		<12
Trichloroethane,1,1,1-	µg/kg	<4.8					<7.4	
Trichloroethane,1,1,1- (mobile)	µg/kg		<207	<211	<215	<211		<219
Trichloroethane,1,1,2-	µg/kg	<4.8					<7.4	
Trichloroethylene	µg/kg	<4.8					<7.4 N1	
Trichloroethylene (mobile)	µg/kg		8 J	<21	<21	<21		9 J
Trichloromonofluoromethane	µg/kg	<4.8					<7.4	
Trichloropropane,1,2,3-	µg/kg	<4.8					<7.4	
Vinyl Acetate	µg/kg	<4.8					<7.4	
Vinyl Chloride	µg/kg	<4.8					<7.4	
Xylene,o- (mobile)	µg/kg		<22	<22	<23	<22		<23
Xylenes (Total)	µg/kg	<4.8					<7.4	
Xylenes,m- & p- (mobile)	µg/kg		12 E	<11	<11	<11		<12

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-299
	Sample ID	1027098	1027099	1027100	1027100	1027101	1027102	1634061
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	05/21/1997
	Sample Time	14:52	14:55	14:57	14:57	15:04	15:10	11:25
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	4' - 6'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	97-1793-293	97-1794-294	AEL97003090	97-1795-295	97-1796-296	97-1797-297	25-0606-010
Constituent	Units							
Date Metals Analyzed	-			03/18/1997				
Date Organics Analyzed	-	03/06/1997	03/06/1997	03/18/1997	03/06/1997	03/06/1997	03/06/1997	05/22/1997
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg			<0.49				
Barium	mg/kg			29.8				
Cadmium	mg/kg			<3.67				
Chromium	mg/kg			<6.11				
Lead	mg/kg			<24.5				
Mercury	mg/kg			<0.10				
Nickel	mg/kg			<12.2				
Selenium	mg/kg			<1.22				
Silver	mg/kg			<6.11				
Zinc	mg/kg			11.5				
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg			<42.3				
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-299
	Sample ID	1027098	1027099	1027100	1027100	1027101	1027102	1634061
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	05/21/1997
	Sample Time	14:52	14:55	14:57	14:57	15:04	15:10	11:25
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	4' - 6'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	97-1793-293	97-1794-294	AEL97003090	97-1795-295	97-1796-296	97-1797-297	25-0606-010
Constituent	Units							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-299
	Sample ID	1027098	1027099	1027100	1027100	1027101	1027102	1634061
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	05/21/1997
	Sample Time	14:52	14:55	14:57	14:57	15:04	15:10	11:25
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	4' - 6'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	97-1793-293	97-1794-294	AEL97003090	97-1795-295	97-1796-296	97-1797-297	25-0606-010
Constituent	Units							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg			<39				
Acrolein	µg/kg			<20				
Acrylonitrile	µg/kg			<20				
Allyl Chloride	µg/kg							
Benzene	µg/kg			<7.8				
Benzene (mobile)	µg/kg	<8	<8		<8	<8	<8	<11
Bromobenzene	µg/kg			<7.8				
Bromoform	µg/kg			<7.8				
Carbon Disulfide	µg/kg			<7.8				
Carbon Tetrachloride	µg/kg			<7.8				
Chlorobenzene	µg/kg			<7.8				
Chlorodibromomethane	µg/kg			<7.8				
Chloroethane	µg/kg			<7.8				
Chloroethyl Vinyl Ether,2-	µg/kg			<7.8				
Chloroform	µg/kg			<7.8				

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-299
	Sample ID	1027098	1027099	1027100	1027100	1027101	1027102	1634061
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	05/21/1997
	Sample Time	14:52	14:55	14:57	14:57	15:04	15:10	11:25
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	4' - 6'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	97-1793-293	97-1794-294	AEL97003090	97-1795-295	97-1796-296	97-1797-297	25-0606-010
Constituent	Units							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg			<7.8				
Chlorotoluene,p-	µg/kg			<7.8				
Dibromomethane	µg/kg			<7.8				
Dichlorobenzene,1,2-	µg/kg			<7.8				
Dichlorobenzene,1,3-	µg/kg			<7.8				
Dichlorobenzene,1,4-	µg/kg			<7.8				
Dichlorobromomethane	µg/kg			<7.8				
Dichlorodifluoromethane	µg/kg			<16				
Dichloroethane,1,1-	µg/kg			<7.8				
Dichloroethane,1,2-	µg/kg			<7.8				
Dichloroethylene,1,1-	µg/kg			<7.8				
Dichloroethylene,1,2-cis-	µg/kg			<7.8				
Dichloroethylene,1,2-trans-	µg/kg			<7.8				
Dichloropropane,1,2-	µg/kg			<7.8				
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg			<7.8				
Dichloropropylene,1,3-trans-	µg/kg			<7.8				
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg			<7.8				
Ethylbenzene (mobile)	µg/kg	<17	<17		<17	<17	<17	<16
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg			<20				
Iodomethane	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg			<7.8				
Methyl Chloride	µg/kg			<7.8				
Methyl Ethyl Ketone	µg/kg			<20				

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-259	NK-SB-299
	Sample ID	1027098	1027099	1027100	1027100	1027101	1027102	1634061
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	03/04/1997	05/21/1997
	Sample Time	14:52	14:55	14:57	14:57	15:04	15:10	11:25
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	4' - 6'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	97-1793-293	97-1794-294	AEL97003090	97-1795-295	97-1796-296	97-1797-297	25-0606-010
Constituent	Units							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg			<20				
Methyl-tert-butyl Ether	µg/kg			<7.8				
Methylene Chloride	µg/kg			<9.8				
Propionitrile	µg/kg							
Styrene	µg/kg			<7.8				
Tetrachloroethane,1,1,1,2-	µg/kg			<7.8				
Tetrachloroethane,1,1,2,2-	µg/kg			<7.8				
Tetrachloroethylene	µg/kg			<7.8				
Tetrachloroethylene (mobile)	µg/kg	<21	<22		<22	<21	<22	<17
Toluene	µg/kg			<7.8				
Toluene (mobile)	µg/kg	<12	<12		<12	<12	<12	<15
Trichloroethane,1,1,1-	µg/kg			<7.8				
Trichloroethane,1,1,1- (mobile)	µg/kg	<211	<219		<215	<211	<215	<267
Trichloroethane,1,1,2-	µg/kg			<7.8				
Trichloroethylene	µg/kg			<7.8				
Trichloroethylene (mobile)	µg/kg	<21	<22		<21	<21	<21	<26
Trichloromonofluoromethane	µg/kg			<7.8				
Trichloropropane,1,2,3-	µg/kg			<7.8				
Vinyl Acetate	µg/kg			<7.8				
Vinyl Chloride	µg/kg			<7.8				
Xylene,o- (mobile)	µg/kg	<22	<23		23	<22	<23	22
Xylenes (Total)	µg/kg			<7.8				
Xylenes,m- & p- (mobile)	µg/kg	<11	<12		<11	<11	<11	<11

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-299	NK-SB-299	NK-SB-299	NK-SB-300	NK-SB-300	NK-SB-300	NK-SB-300
	Sample ID	1634061	1634062	1634063	1634064	1634064	1634065	1634065
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997
	Sample Time	11:25	11:30	11:45	13:00	13:00	13:05	13:05
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	QUAN	LEA	LEA	LEA	QUAN	LEA	QUAN
	Lab. Number	A7E270121004	25-0608-012	25-0609-013	25-0610-014	A7E270121007	25-0611-015	A7E270121008
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	06/02/1997	05/22/1997	05/22/1997	05/22/1997		05/22/1997	06/02/1997
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg	<5.8 U						<5.8 U
Total Petroleum Hydrocarbons	mg/kg					<63 U		<58 U
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-299	NK-SB-299	NK-SB-299	NK-SB-300	NK-SB-300	NK-SB-300	NK-SB-300
	Sample ID	1634061	1634062	1634063	1634064	1634064	1634065	1634065
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997
	Sample Time	11:25	11:30	11:45	13:00	13:00	13:05	13:05
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	QUAN	LEA	LEA	LEA	QUAN	LEA	QUAN
	Lab. Number	A7E270121004	25-0608-012	25-0609-013	25-0610-014	A7E270121007	25-0611-015	A7E270121008
Constituent	Units							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg	<5.8 U						<5.8 U
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-299	NK-SB-299	NK-SB-299	NK-SB-300	NK-SB-300	NK-SB-300	NK-SB-300
	Sample ID	1634061	1634062	1634063	1634064	1634064	1634065	1634065
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997
	Sample Time	11:25	11:30	11:45	13:00	13:00	13:05	13:05
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	QUAN	LEA	LEA	LEA	QUAN	LEA	QUAN
	Lab. Number	A7E270121004	25-0608-012	25-0609-013	25-0610-014	A7E270121007	25-0611-015	A7E270121008
Constituent	Units							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg	<120 U						59 J
Acrolein	µg/kg							
Acrylonitrile	µg/kg	<120 U						<120 U
Allyl Chloride	µg/kg	<120 U						<120 U
Benzene	µg/kg	<5.8 U						<5.8 U
Benzene (mobile)	µg/kg		<15	<14	<15		<16	
Bromobenzene	µg/kg							
Bromoform	µg/kg	<5.8 U						<5.8 U
Carbon Disulfide	µg/kg	<5.8 U						<5.8 U
Carbon Tetrachloride	µg/kg	<5.8 U						<5.8 U
Chlorobenzene	µg/kg	<5.8 U						<5.8 U
Chlorodibromomethane	µg/kg	<5.8 U						<5.8 U
Chloroethane	µg/kg	<12 U						<12 U
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg	<5.8 U						<5.8 U

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-299	NK-SB-299	NK-SB-299	NK-SB-300	NK-SB-300	NK-SB-300	NK-SB-300
	Sample ID	1634061	1634062	1634063	1634064	1634064	1634065	1634065
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997
	Sample Time	11:25	11:30	11:45	13:00	13:00	13:05	13:05
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	QUAN	LEA	LEA	LEA	QUAN	LEA	QUAN
	Lab. Number	A7E270121004	25-0608-012	25-0609-013	25-0610-014	A7E270121007	25-0611-015	A7E270121008
Constituent	Units							
Chloroprene,beta-	µg/kg	<5.8 U						<5.8 U
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg	<5.8 U						<5.8 U
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	**µg/kg**							
Dichlorobromomethane	**µg/kg**	**<5.8 U**						**<5.8 U**
Dichlorodifluoromethane	**µg/kg**	**<5.8 U**						**<5.8 U**
Dichloroethane,1,1-	**µg/kg**	<5.8 U						**<5.8 U**
Dichloroethane,1,2-	µg/kg	<5.8 U						<5.8 U
Dichloroethylene,1,1-	µg/kg	<5.8 U						<5.8 U
Dichloroethylene,1,2-cis-	µg/kg	<5.8 U						<5.8 U
Dichloroethylene,1,2-trans-	µg/kg	<5.8 U						<5.8 U
Dichloropropane,1,2-	µg/kg	<5.8 U						<5.8 U
Dichloropropylene,1,3-	µg/kg	<5.8 U						<5.8 U
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Ethyl Methacrylate	µg/kg	<5.8 U						<5.8 U
Ethylbenzene	µg/kg	<5.8 U						<5.8 U
Ethylbenzene (mobile)	µg/kg		<21	<20	<22		<23	
Ethylene Dibromide	µg/kg	<5.8 U						<5.8 U
Hexanone,2-	µg/kg	<58 U						<58 U
Iodomethane	µg/kg	<5.8 U J						<5.8 U J
Methacrylonitrile	µg/kg	<5.8 U						<5.8 U
Methyl Bromide	µg/kg	<12 U J						<12 U J
Methyl Chloride	µg/kg	<12 U						<12 U
Methyl Ethyl Ketone	µg/kg	<120 U						<120 U

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-299	NK-SB-299	NK-SB-299	NK-SB-300	NK-SB-300	NK-SB-300	NK-SB-300
	Sample ID	1634061	1634062	1634063	1634064	1634064	1634065	1634065
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997
	Sample Time	11:25	11:30	11:45	13:00	13:00	13:05	13:05
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	QUAN	LEA	LEA	LEA	QUAN	LEA	QUAN
	Lab. Number	A7E270121004	25-0608-012	25-0609-013	25-0610-014	A7E270121007	25-0611-015	A7E270121008
Constituent	Units							
Methyl Methacrylate	µg/kg	<5.8 U						<5.8 U
Methyl-2-pentanone,4-	µg/kg	<12 U						<12 U
Methyl-tert-butyl Ether	µg/kg	<5.8 U						<5.8 U
Methylene Chloride	µg/kg	7.5						<5.8 U
Propionitrile	µg/kg	<23 U						<23 U
Styrene	µg/kg	<5.8 U						<5.8 U
Tetrachloroethane,1,1,1,2-	µg/kg	<5.8 U						<5.8 U
Tetrachloroethane,1,1,2,2-	µg/kg	<5.8 U						<5.8 U
Tetrachloroethylene	µg/kg	<5.8 U						<5.8 U
Tetrachloroethylene (mobile)	µg/kg		<22	<21	<23		<24	
Toluene	µg/kg	<5.8 U						<5.8 U
Toluene (mobile)	µg/kg		<21	<20	<21		<23	
Trichloroethane,1,1,1-	µg/kg	<5.8 U						<5.8 U
Trichloroethane,1,1,1- (mobile)	µg/kg		<355	<342	<368		<390	
Trichloroethane,1,1,2-	µg/kg	<5.8 U						<5.8 U
Trichloroethylene	µg/kg	<5.8 U						<5.8 U
Trichloroethylene (mobile)	µg/kg		<34	<33	<36		<38	
Trichloromonofluoromethane	µg/kg	<5.8 U						<5.8 U
Trichloropropane,1,2,3-	µg/kg	<5.8 U						<5.8 U
Vinyl Acetate	µg/kg	<5.8 U J						<5.8 U J
Vinyl Chloride	µg/kg	<12 U						<12 U
Xylene,o- (mobile)	µg/kg		<29	<28	<30		<32	
Xylenes (Total)	µg/kg	<5.8 U						<5.8 U
Xylenes,m- & p- (mobile)	µg/kg		<15	<15	<16		<17	

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-300	NK-SB-300	NK-SB-300	NK-SB-300	NK-SB-301	NK-SB-301	NK-SB-301
	Sample ID	1634066	1634067	1634067	1634068	1634069	1634069	1634070
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997
	Sample Time	13:20	13:25	13:25	13:50	14:15	14:15	14:15
	Sample Depth	4' - 6'	6' - 8'	6' - 8'	8' - 10'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	QUAN	LEA	LEA	QUAN	LEA
	Lab. Number	25-0612-016	25-0613-017	A7E270121010	25-0614-018	25-0615-019	A7E270121012	25-0617-021
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	05/22/1997	05/22/1997	06/02/1997	05/22/1997	05/22/1997		05/22/1997
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg			<5.8 U				
Total Petroleum Hydrocarbons	mg/kg						120	
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-300	NK-SB-300	NK-SB-300	NK-SB-300	NK-SB-301	NK-SB-301	NK-SB-301
	Sample ID	1634066	1634067	1634067	1634068	1634069	1634069	1634070
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997
	Sample Time	13:20	13:25	13:25	13:50	14:15	14:15	14:15
	Sample Depth	4' - 6'	6' - 8'	6' - 8'	8' - 10'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	QUAN	LEA	LEA	QUAN	LEA
	Lab. Number	25-0612-016	25-0613-017	A7E270121010	25-0614-018	25-0615-019	A7E270121012	25-0617-021
Constituent	Units							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg			<5.8 U				
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-300	NK-SB-300	NK-SB-300	NK-SB-300	NK-SB-301	NK-SB-301	NK-SB-301
	Sample ID	1634066	1634067	1634067	1634068	1634069	1634069	1634070
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997
	Sample Time	13:20	13:25	13:25	13:50	14:15	14:15	14:15
	Sample Depth	4' - 6'	6' - 8'	6' - 8'	8' - 10'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	QUAN	LEA	LEA	QUAN	LEA
	Lab. Number	25-0612-016	25-0613-017	A7E270121010	25-0614-018	25-0615-019	A7E270121012	25-0617-021
Constituent	Units							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1.2.4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg			50 J				
Acrolein	µg/kg							
Acrylonitrile	µg/kg			<120 U				
Allyl Chloride	µg/kg			<120 U				
Benzene	µg/kg			<5.8 U				
Benzene (mobile)	µg/kg	<16	<17		<16	<11		<15
Bromobenzene	µg/kg							
Bromoform	µg/kg			<5.8 U				
Carbon Disulfide	µg/kg			<5.8 U				
Carbon Tetrachloride	µg/kg			<5.8 U				
Chlorobenzene	µg/kg			<5.8 U				
Chlorodibromomethane	µg/kg			<5.8 U				
Chloroethane	µg/kg			<12 U				
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg			<5.8 U				

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-300	NK-SB-300	NK-SB-300	NK-SB-300	NK-SB-301	NK-SB-301	NK-SB-301
	Sample ID	1634066	1634067	1634067	1634068	1634069	1634069	1634070
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997
	Sample Time	13:20	13:25	13:25	13:50	14:15	14:15	14:15
	Sample Depth	4' - 6'	6' - 8'	6' - 8'	8' - 10'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	QUAN	LEA	LEA	QUAN	LEA
	Lab. Number	25-0612-016	25-0613-017	A7E270121010	25-0614-018	25-0615-019	A7E270121012	25-0617-021
Constituent	Units							
Chloroprene,beta-	µg/kg			<5.8 U				
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg			<5.8 U				
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	**µg/kg**			**<5.8 U**				
Dichlorodifluoromethane	**µg/kg**			**<5.8 U**				
Dichloroethane,1,1-	**µg/kg**			**<5.8 U**				
Dichloroethane,1,2-	µg/kg			<5.8 U				
Dichloroethylene,1,1-	µg/kg			<5.8 U				
Dichloroethylene,1,2-cis-	µg/kg			<5.8 U				
Dichloroethylene,1,2-trans-	µg/kg			<5.8 U				
Dichloropropane,1,2-	µg/kg			<5.8 U				
Dichloropropylene,1,3-	µg/kg			<5.8 U				
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Ethyl Methacrylate	µg/kg			<5.8 U				
Ethylbenzene	µg/kg			<5.8 U				
Ethylbenzene (mobile)	µg/kg	<23	<25		<23	<16		<22
Ethylene Dibromide	µg/kg			<5.8 U				
Hexanone,2-	µg/kg			<58 U				
Iodomethane	µg/kg			<5.8 U J				
Methacrylonitrile	µg/kg			<5.8 U				
Methyl Bromide	µg/kg			<12 U J				
Methyl Chloride	µg/kg			<12 U				
Methyl Ethyl Ketone	µg/kg			<120 U				

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-300	NK-SB-300	NK-SB-300	NK-SB-300	NK-SB-301	NK-SB-301	NK-SB-301
	Sample ID	1634066	1634067	1634067	1634068	1634069	1634069	1634070
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997
	Sample Time	13:20	13:25	13:25	13:50	14:15	14:15	14:15
	Sample Depth	4' - 6'	6' - 8'	6' - 8'	8' - 10'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	QUAN	LEA	LEA	QUAN	LEA
	Lab. Number	25-0612-016	25-0613-017	A7E270121010	25-0614-018	25-0615-019	A7E270121012	25-0617-021
Constituent	Units							
Methyl Methacrylate	µg/kg			<5.8 U				
Methyl-2-pentanone,4-	µg/kg			<12 U				
Methyl-tert-butyl Ether	µg/kg			<5.8 U				
Methylene Chloride	µg/kg			6.4				
Propionitrile	µg/kg			<23 U				
Styrene	µg/kg			<5.8 U				
Tetrachloroethane,1,1,1,2-	µg/kg			<5.8 U				
Tetrachloroethane,1,1,2,2-	µg/kg			<5.8 U				
Tetrachloroethylene	µg/kg			<5.8 U				
Tetrachloroethylene (mobile)	µg/kg	<24	<26		<24	<17		<23
Toluene	µg/kg			<5.8 U				
Toluene (mobile)	µg/kg	<23	<24		<23	<16		<21
Trichloroethane,1,1,1-	µg/kg			<5.8 U				
Trichloroethane,1,1,1- (mobile)	µg/kg	<390	<415		<390	<271		<368
Trichloroethane,1,1,2-	µg/kg			<5.8 U				
Trichloroethylene	µg/kg			<5.8 U				
Trichloroethylene (mobile)	µg/kg	<38	<40		<38	<26		<36
Trichloromonofluoromethane	µg/kg			<5.8 U				
Trichloropropane,1,2,3-	µg/kg			<5.8 U				
Vinyl Acetate	µg/kg			<5.8 U J				
Vinyl Chloride	µg/kg			<12 U				
Xylene,o- (mobile)	µg/kg	<32	<34		<32	<22		<30
Xylenes (Total)	µg/kg			<5.8 U				
Xylenes,m- & p- (mobile)	µg/kg	<17	<18		<17	<12		<16

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-302	NK-SB-302
	Sample ID	1634070	1634071	1634072	1634072	1634073	1634076	1634076
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/22/1997	05/22/1997
	Sample Time	14:15	14:30	14:35	14:35	14:45	09:55	09:55
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	0' - 2'	0' - 2'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	A7E270121013	25-0618-022	25-0619-023	A7E270121015	25-0620-024	25-0627-031	A7E290112002
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	06/02/1997	05/22/1997	05/22/1997	06/02/1997	05/22/1997	05/23/1997	
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg	<5.8 U			<5.9 U			
Total Petroleum Hydrocarbons	mg/kg	<58 U						<62 U
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-302	NK-SB-302
	Sample ID	1634070	1634071	1634072	1634072	1634073	1634076	1634076
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/22/1997	05/22/1997
	Sample Time	14:15	14:30	14:35	14:35	14:45	09:55	09:55
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	0' - 2'	0' - 2'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	A7E270121013	25-0618-022	25-0619-023	A7E270121015	25-0620-024	25-0627-031	A7E290112002
Constituent	Units							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	**µg/kg**							
Dibenzo[a,h]anthracene	**µg/kg**							
Dichloro-2-butylene,1,4-trans-	**µg/kg**	<5.8 U			<5.9 U			
Dichlorobenzidine,3,3'-	**µg/kg**							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-302	NK-SB-302
	Sample ID	1634070	1634071	1634072	1634072	1634073	1634076	1634076
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/22/1997	05/22/1997
	Sample Time	14:15	14:30	14:35	14:35	14:45	09:55	09:55
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	0' - 2'	0' - 2'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	A7E270121013	25-0618-022	25-0619-023	A7E270121015	25-0620-024	25-0627-031	A7E290112002
Constituent	Units							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg	49 J			34 J			
Acrolein	µg/kg							
Acrylonitrile	µg/kg	<120 U			<120 U			
Allyl Chloride	µg/kg	<120 U			<120 U			
Benzene	µg/kg	<5.8 U			<5.9 U			
Benzene (mobile)	µg/kg		<13	<11		<11	<14	
Bromobenzene	µg/kg							
Bromoform	µg/kg	<5.8 U			<5.9 U			
Carbon Disulfide	µg/kg	<5.8 U			<5.9 U			
Carbon Tetrachloride	µg/kg	<5.8 U			<5.9 U			
Chlorobenzene	µg/kg	<5.8 U			<5.9 U			
Chlorodibromomethane	µg/kg	<5.8 U			<5.9 U			
Chloroethane	µg/kg	<12 U			<12 U			
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg	<5.8 U			<5.9 U			

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-302	NK-SB-302
	Sample ID	1634070	1634071	1634072	1634072	1634073	1634076	1634076
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/22/1997	05/22/1997
	Sample Time	14:15	14:30	14:35	14:35	14:45	09:55	09:55
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	0' - 2'	0' - 2'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	A7E270121013	25-0618-022	25-0619-023	A7E270121015	25-0620-024	25-0627-031	A7E290112002
Constituent	Units							
Chloroprene,beta-	µg/kg	<5.8 U			<5.9 U			
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg	<5.8 U			<5.9 U			
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg	<5.8 U			<5.9 U			
Dichlorodifluoromethane	µg/kg	<5.8 U			<5.9 U			
Dichloroethane,1,1-	µg/kg	<5.8 U			<5.9 U			
Dichloroethane,1,2-	µg/kg	<5.8 U			<5.9 U			
Dichloroethylene,1,1-	µg/kg	<5.8 U			<5.9 U			
Dichloroethylene,1,2-cis-	µg/kg	<5.8 U			<5.9 U			
Dichloroethylene,1,2-trans-	µg/kg	<5.8 U			<5.9 U			
Dichloropropane,1,2-	µg/kg	<5.8 U			<5.9 U			
Dichloropropylene,1,3-	µg/kg	<5.8 U			<5.9 U			
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Ethyl Methacrylate	µg/kg	<5.8 U			<5.9 U			
Ethylbenzene	µg/kg	<5.8 U			<5.9 U			
Ethylbenzene (mobile)	µg/kg		<18	<16		<16	<20	
Ethylene Dibromide	µg/kg	<5.8 U			<5.9 U			
Hexanone,2-	µg/kg	<58 U			<59 U			
Iodomethane	µg/kg	<5.8 U J			<5.9 U J			
Methacrylonitrile	µg/kg	<5.8 U			<5.9 U			
Methyl Bromide	µg/kg	<12 U J			<12 U J			
Methyl Chloride	µg/kg	<12 U			<12 U			
Methyl Ethyl Ketone	µg/kg	<120 U			<120 U			

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-301	NK-SB-302	NK-SB-302
	Sample ID	1634070	1634071	1634072	1634072	1634073	1634076	1634076
	Sample Date	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/21/1997	05/22/1997	05/22/1997
	Sample Time	14:15	14:30	14:35	14:35	14:45	09:55	09:55
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	0' - 2'	0' - 2'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	A7E270121013	25-0618-022	25-0619-023	A7E270121015	25-0620-024	25-0627-031	A7E290112002
Constituent	Units							
Methyl Methacrylate	µg/kg	<5.8 U			5.9 U			
Methyl-2-pentanone,4-	µg/kg	<12 U			<12 U			
Methyl-tert-butyl Ether	µg/kg	<5.8 U			<5.9 U			
Methylene Chloride	µg/kg	<5.8 U			2.4 J			
Propionitrile	µg/kg	<23 U			<24 U			
Styrene	µg/kg	<5.8 U			<5.9 U			
Tetrachloroethane,1,1,1,2-	µg/kg	<5.8 U			<5.9 U			
Tetrachloroethane,1,1,2,2-	µg/kg	<5.8 U			<5.9 U			
Tetrachloroethylene	µg/kg	<5.8 U			<5.9 U			
Tetrachloroethylene (mobile)	µg/kg		<19	<17		<17	<21	
Toluene	µg/kg	<5.8 U			<5.9 U			
Toluene (mobile)	µg/kg		<18	<15		<15	<20	
Trichloroethane,1,1,1-	µg/kg	<5.8 U			<5.9 U			
Trichloroethane,1,1,1- (mobile)	µg/kg		<310	<267		<267	<342	
Trichloroethane,1,1,2-	µg/kg	<5.8 U			<5.9 U			
Trichloroethylene	µg/kg	<5.8 U			<5.9 U			
Trichloroethylene (mobile)	µg/kg		<30	<26		<26	<33	
Trichloromonofluoromethane	µg/kg	<5.8 U			<5.9 U			
Trichloropropane,1,2,3-	µg/kg	<5.8 U			<5.9 U			
Vinyl Acetate	µg/kg	<5.8 U J			<5.9 U J			
Vinyl Chloride	µg/kg	<12 U			<12 U			
Xylene,o- (mobile)	µg/kg		<25	<22		<22	<28	
Xylenes (Total)	µg/kg	<5.8 U			<5.9 U			
Xylenes,m- & p- (mobile)	µg/kg		<13	<11		<11	<15	

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302
	Sample ID	1634077	1634077	1634078	1634079	1634079	1634080	1634081
	Sample Date	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997
	Sample Time	10:00	10:00	10:05	10:25	10:25	10:30	10:40
	Sample Depth	2' - 4'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	QUAN	LEA	LEA	QUAN	LEA	LEA
	Lab. Number	25-0628-032	A7E290112003	25-0629-033	25-0630-034	A7E290112005	25-0631-035	25-0632-036
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	05/23/1997		05/23/1997	05/23/1997	06/04/1997	05/23/1997	05/23/1997
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg					<5.9 U		
Total Petroleum Hydrocarbons	mg/kg		<58 U					
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302
	Sample ID	1634077	1634077	1634078	1634079	1634079	1634080	1634081
	Sample Date	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997
	Sample Time	10:00	10:00	10:05	10:25	10:25	10:30	10:40
	Sample Depth	2' - 4'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	QUAN	LEA	LEA	QUAN	LEA	LEA
	Lab. Number	25-0628-032	A7E290112003	25-0629-033	25-0630-034	A7E290112005	25-0631-035	25-0632-036
Constituent	Units							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg					<5.9 U		
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302
	Sample ID	1634077	1634077	1634078	1634079	1634079	1634080	1634081
	Sample Date	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997
	Sample Time	10:00	10:00	10:05	10:25	10:25	10:30	10:40
	Sample Depth	2' - 4'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	QUAN	LEA	LEA	QUAN	LEA	LEA
	Lab. Number	25-0628-032	A7E290112003	25-0629-033	25-0630-034	A7E290112005	25-0631-035	25-0632-036
Constituent	Units							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg					120 U		
Acrolein	µg/kg							
Acrylonitrile	µg/kg					<120 U		
Allyl Chloride	µg/kg					<120 U		
Benzene	µg/kg					<5.9 U		
Benzene (mobile)	µg/kg	<12		<13	<14		<14	<14
Bromobenzene	µg/kg							
Bromoform	µg/kg					<5.9 U		
Carbon Disulfide	µg/kg					<5.9 U		
Carbon Tetrachloride	µg/kg					<5.9 U		
Chlorobenzene	µg/kg					<5.9 U		
Chlorodibromomethane	µg/kg					<5.9 U		
Chloroethane	µg/kg					<12 U		
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg					<5.9 U		

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302
	Sample ID	1634077	1634077	1634078	1634079	1634079	1634080	1634081
	Sample Date	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997
	Sample Time	10:00	10:00	10:05	10:25	10:25	10:30	10:40
	Sample Depth	2' - 4'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	QUAN	LEA	LEA	QUAN	LEA	LEA
	Lab. Number	25-0628-032	A7E290112003	25-0629-033	25-0630-034	A7E290112005	25-0631-035	25-0632-036
Constituent	Units							
Chloroprene,beta-	µg/kg					<5.9 U		
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg					<5.9 U		
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg					<5.9 U		
Dichlorodifluoromethane	µg/kg					<5.9 U		
Dichloroethane,1,1-	µg/kg					<5.9 U		
Dichloroethane,1,2-	µg/kg					<5.9 U		
Dichloroethylene,1,1-	µg/kg					<5.9 U		
Dichloroethylene,1,2-cis-	µg/kg					<5.9 U		
Dichloroethylene,1,2-trans-	µg/kg					<5.9 U		
Dichloropropane,1,2-	µg/kg					<5.9 U		
Dichloropropylene,1,3-	µg/kg					<5.9 U		
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Ethyl Methacrylate	µg/kg					<5.9 U		
Ethylbenzene	µg/kg					<5.9 U		
Ethylbenzene (mobile)	µg/kg	<18		<19	<21		<20	20
Ethylene Dibromide	µg/kg					<5.9 U		
Hexanone,2-	µg/kg					<59 U		
Iodomethane	µg/kg					<5.9 U		
Methacrylonitrile	µg/kg					<5.9 U		
Methyl Bromide	µg/kg					<12 U J		
Methyl Chloride	µg/kg					<12 U		
Methyl Ethyl Ketone	µg/kg					<120 U		

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302	NK-SB-302
	Sample ID	1634077	1634077	1634078	1634079	1634079	1634080	1634081
	Sample Date	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997
	Sample Time	10:00	10:00	10:05	10:25	10:25	10:30	10:40
	Sample Depth	2' - 4'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	QUAN	LEA	LEA	QUAN	LEA	LEA
	Lab. Number	25-0628-032	A7E290112003	25-0629-033	25-0630-034	A7E290112005	25-0631-035	25-0632-036
Constituent	Units							
Methyl Methacrylate	µg/kg					<5.9 U		
Methyl-2-pentanone,4-	µg/kg					<12 U		
Methyl-tert-butyl Ether	µg/kg					<5.9 U		
Methylene Chloride	µg/kg					9.1		
Propionitrile	µg/kg					<24 U		
Styrene	µg/kg					<5.9 U		
Tetrachloroethane,1,1,1,2-	µg/kg					<5.9 U		
Tetrachloroethane,1,1,2,2-	µg/kg					<5.9 U		
Tetrachloroethylene	µg/kg					<5.9 U		
Tetrachloroethylene (mobile)	µg/kg	<18		<20	<22		<21	<21
Toluene	µg/kg					<5.9 U		
Toluene (mobile)	µg/kg	<17		<19	<20		<19	<19
Trichloroethane,1,1,1-	µg/kg					<5.9 U		
Trichloroethane,1,1,1- (mobile)	µg/kg	<295		<325	<348		<336	<336
Trichloroethane,1,1,2-	µg/kg					<5.9 U		
Trichloroethylene	µg/kg					<5.9 U		
Trichloroethylene (mobile)	µg/kg	<29		<32	<34		<33	<33
Trichloromonofluoromethane	µg/kg					<5.9 U		
Trichloropropane,1,2,3-	µg/kg					<5.9 U		
Vinyl Acetate	µg/kg					<5.9 U J		
Vinyl Chloride	µg/kg					<12 U		
Xylene,o- (mobile)	µg/kg	<24		<27	<28		<27	27
Xylenes (Total)	µg/kg					<5.9 U		
Xylenes,m- & p- (mobile)	µg/kg	<13		<14	15		<14	14

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303
	Sample ID	1634082	1634082	1634083	1634083	1634084	1634085	1634085
	Sample Date	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997
	Sample Time	11:15	11:15	11:20	11:20	11:35	11:40	11:40
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	25-0633-037	A7E290112008	25-0634-038	A7E290112009	25-0635-039	25-0636-040	A7E290112011
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	05/23/1997		05/23/1997		05/23/1997	05/23/1997	06/05/1997
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg							<6.0 U
Total Petroleum Hydrocarbons	mg/kg		<60 U		<57 U			
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303
	Sample ID	1634082	1634082	1634083	1634083	1634084	1634085	1634085
	Sample Date	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997
	Sample Time	11:15	11:15	11:20	11:20	11:35	11:40	11:40
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	25-0633-037	A7E290112008	25-0634-038	A7E290112009	25-0635-039	25-0636-040	A7E290112011
Constituent	Units							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							<6.0 U
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303
	Sample ID	1634082	1634082	1634083	1634083	1634084	1634085	1634085
	Sample Date	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997
	Sample Time	11:15	11:15	11:20	11:20	11:35	11:40	11:40
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	25-0633-037	A7E290112008	25-0634-038	A7E290112009	25-0635-039	25-0636-040	A7E290112011
Constituent	Units							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg							43 J
Acrolein	µg/kg							
Acrylonitrile	µg/kg							<120 U
Allyl Chloride	µg/kg							<120 U
Benzene	µg/kg							<6.0 U
Benzene (mobile)	µg/kg	<11		<13		<13	<12	
Bromobenzene	µg/kg							
Bromoform	µg/kg							<6.0 U
Carbon Disulfide	µg/kg							<6.0 U
Carbon Tetrachloride	µg/kg							<6.0 U
Chlorobenzene	µg/kg							<6.0 U
Chlorodibromomethane	µg/kg							<6.0 U
Chloroethane	µg/kg							<12 U
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							<6.0 U

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303
	Sample ID	1634082	1634082	1634083	1634083	1634084	1634085	1634085
	Sample Date	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997
	Sample Time	11:15	11:15	11:20	11:20	11:35	11:40	11:40
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	25-0633-037	A7E290112008	25-0634-038	A7E290112009	25-0635-039	25-0636-040	A7E290112011
Constituent	Units							
Chloroprene,beta-	µg/kg							<6.0 U
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							<6.0 U
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	**µg/kg**							**<6.0 U**
Dichlorodifluoromethane	**µg/kg**							**<6.0 U**
Dichloroethane,1,1-	**µg/kg**							**<6.0 U**
Dichloroethane,1,2-	µg/kg							<6.0 U
Dichloroethylene,1,1-	µg/kg							<6.0 U
Dichloroethylene,1,2-cis-	µg/kg							<6.0 U
Dichloroethylene,1,2-trans-	µg/kg							<6.0 U
Dichloropropane,1,2-	µg/kg							<6.0 U
Dichloropropylene,1,3-	µg/kg							<6.0 U
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Ethyl Methacrylate	µg/kg							<6.0 U
Ethylbenzene	µg/kg							<6.0 U
Ethylbenzene (mobile)	µg/kg	<16		<19		<18	<17	
Ethylene Dibromide	µg/kg							<6.0 U
Hexanone,2-	µg/kg							<60 U
Iodomethane	µg/kg							<6.0 U J
Methacrylonitrile	µg/kg							<6.0 U
Methyl Bromide	µg/kg							<12 U J
Methyl Chloride	µg/kg							<12 U
Methyl Ethyl Ketone	µg/kg							<120 U

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303	NK-SB-303
	Sample ID	1634082	1634082	1634083	1634083	1634084	1634085	1634085
	Sample Date	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997	05/22/1997
	Sample Time	11:15	11:15	11:20	11:20	11:35	11:40	11:40
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	25-0633-037	A7E290112008	25-0634-038	A7E290112009	25-0635-039	25-0636-040	A7E290112011
Constituent	Units							
Methyl Methacrylate	µg/kg							<6.0 U
Methyl-2-pentanone,4-	µg/kg							<12 U
Methyl-tert-butyl Ether	µg/kg							<6.0 U
Methylene Chloride	µg/kg							<6.0 U
Propionitrile	µg/kg							<24 U
Styrene	µg/kg							<6.0 U
Tetrachloroethane,1,1,1,2-	µg/kg							<6.0 U
Tetrachloroethane,1,1,2,2-	µg/kg							<6.0 U
Tetrachloroethylene	µg/kg							<6.0 U
Tetrachloroethylene (mobile)	µg/kg	<17		<20		<19	<18	
Toluene	µg/kg							6.0 U
Toluene (mobile)	µg/kg	<15		<18		<18	<16	
Trichloroethane,1,1,1-	µg/kg							<6.0 U
Trichloroethane,1,1,1- (mobile)	µg/kg	<267		<320		<310	<283	
Trichloroethane,1,1,2-	µg/kg							<6.0 U
Trichloroethylene	µg/kg							<6.0 U
Trichloroethylene (mobile)	µg/kg	<26		<31		<30	<27	
Trichloromonofluoromethane	µg/kg							<6.0 U
Trichloropropane,1,2,3-	µg/kg							<6.0 U
Vinyl Acetate	µg/kg							<6.0 U J
Vinyl Chloride	µg/kg							<12 U
Xylene,o- (mobile)	µg/kg	<22		<26		<25	<23	
Xylenes (Total)	µg/kg							<6.0 U
Xylenes,m- & p- (mobile)	µg/kg	<11		<14		<13	<12	

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-303						
	Sample ID	1634086						
	Sample Date	05/22/1997						
	Sample Time	11:55						
	Sample Depth	8' - 10'						
	Laboratory	LEA						
	Lab. Number	25-0637-041						
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	05/23/1997						
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-303						
	Sample ID	1634086						
	Sample Date	05/22/1997						
	Sample Time	11:55						
	Sample Depth	8' - 10'						
	Laboratory	LEA						
	Lab. Number	25-0637-041						
Constituent	Units							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-303						
	Sample ID	1634086						
	Sample Date	05/22/1997						
	Sample Time	11:55						
	Sample Depth	8' - 10'						
	Laboratory	LEA						
	Lab. Number	25-0637-041						
Constituent	Units							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (mobile)	µg/kg	<13						
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							

Notes: 1. Printed on 04/20/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-303						
	Sample ID	1634086						
	Sample Date	05/22/1997						
	Sample Time	11:55						
	Sample Depth	8' - 10'						
	Laboratory	LEA						
	Lab. Number	25-0637-041						
Constituent	Units							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethane,1,2-	µg/kg							
Dichloroethylene,1,1-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Dichloroethylene,1,2-trans-	µg/kg							
Dichloropropane,1,2-	µg/kg							
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (mobile)	µg/kg	<19						
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg							
Iodomethane	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							

Notes: 1. Printed on 04/20/98

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-303						
	Sample ID	1634086						
	Sample Date	05/22/1997						
	Sample Time	11:55						
	Sample Depth	8' - 10'						
	Laboratory	LEA						
	Lab. Number	25-0637-041						
Constituent	Units							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Propionitrile	µg/kg							
Styrene	µg/kg							
Tetrachloroethane,1,1,1,2-	µg/kg							
Tetrachloroethane,1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							
Tetrachloroethylene (mobile)	µg/kg	<20						
Toluene	µg/kg							
Toluene (mobile)	µg/kg	<19						
Trichloroethane,1,1,1-	µg/kg							
Trichloroethane,1,1,1- (mobile)	µg/kg	<325						
Trichloroethane,1,1,2-	µg/kg							
Trichloroethylene	µg/kg							
Trichloroethylene (mobile)	µg/kg	<32						
Trichloromonofluoromethane	µg/kg							
Trichloropropane,1,2,3-	µg/kg							
Vinyl Acetate	µg/kg							
Vinyl Chloride	µg/kg							
Xylene,o- (mobile)	µg/kg	<27						
Xylenes (Total)	µg/kg							
Xylenes,m- & p- (mobile)	µg/kg	<14						

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Table 4
SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-256	NK-SB-257	NK-SB-258	NK-SB-259			
	Sample ID	1027121	1027122	1027123	1027124			
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997			
	Sample Time	11:05	13:25	14:10	15:20			
	Sample Depth	6' - 7'	5' - 6'	4' - 7'	5' - 6'			
	Laboratory	AEL	AEL	AEL	AEL			
	Lab. Number	AEL97002622	AEL97002623	AEL97002624	AEL97002625			
Constituent	Units							
Date Organics Analyzed	-	03/05/1997	03/17/1997	03/17/1997	03/17/1997			
Date Semi-volatile Organics Analyzed	-	03/30/1997	03/30/1997	03/30/1997	03/30/1997			
Total Petroleum Hydrocarbons	mg/L	<0.5	<0.5	<0.5	<0.5			
Acenaphthene	µg/L	<10	<10	<10	<10			
Acenaphthylene	µg/L	<1.6 MDL	<1.6 MDL	<1.6 MDL	<1.6 MDL			
Anthracene	µg/L	<10	<10	<10	<10			
Benzidine	µg/L	<10	<10	<10	<10			
Benzo[a]anthracene	µg/L	<0.82 MDL	<0.82 MDL	<0.82 MDL	<0.82 MDL			
Benzo[a]pyrene	µg/L	<0.37 MDL	<0.37 MDL	<0.37 MDL	<0.37 MDL			
Benzo[b]fluoranthene	µg/L	<0.51 MDL	<0.51 MDL	<0.51 MDL	<0.51 MDL			
Benzo[ghi]perylene	µg/L	<10	<10	<10	<10			
Benzo[k]fluoranthene	µg/L	<0.60 MDL	<0.60 MDL	<0.60 MDL	<0.60 MDL			
Bis(2-chloroethoxy)methane	µg/L	<10	<10	<10	<10			
Bis(2-chloroethyl) Ether	µg/L	<10	<10	<10	<10			
Bis(2-ethylhexyl)phthalate	µg/L	<1.3 MDL	<1.3 MDL	<1.3 MDL	<1.3 MDL			
Bromophenyl Phenyl Ether,4-	µg/L	<10	<10	<10	<10			
Butyl Benzyl Phthalate	µg/L	<10	<10	<10	<10			
Chloronaphthalene,2-	µg/L	<10	<10	<10	<10			
Chlorophenol,2-	µg/L	<10	<10	<10	<10 UJ4			
Chlorophenyl Phenyl Ether,4-	µg/L	<10	<10	<10	<10			
Chrysene	µg/L	<10	<10	<10	<10			
Di-n-butyl Phthalate	µg/L	<10	<10	<10	<10			
Di-n-octyl Phthalate	µg/L	<10	<10	<10	<10			
Dibenzo[a,h]anthracene	µg/L	<10	<10	<10	<10			
Dichlorobenzidine,3,3'-	µg/L	<10	<10	<10	<10			
Dichlorophenol,2,4-	µg/L	<10	<10	<10	<10 UJ4			
Diethyl Phthalate	µg/L	<10	<10	<10	<10			
Dimethyl Phthalate	µg/L	<10	<10	<10	<10			

Notes: 1. Printed on 04/20/98

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Table 4
SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-256	NK-SB-257	NK-SB-258	NK-SB-259			
	Sample ID	1027121	1027122	1027123	1027124			
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997			
	Sample Time	11:05	13:25	14:10	15:20			
	Sample Depth	6' - 7'	5' - 6'	4' - 7'	5' - 6'			
	Laboratory	AEL	AEL	AEL	AEL			
	Lab. Number	AEL97002622	AEL97002623	AEL97002624	AEL97002625			
Constituent	Units							
Dimethylphenol,2,4-	µg/L	<10	<10	<10	<10 UJ4			
Dinitro-o-cresol,4,6-	µg/L	<10	<10	<10	<10 UJ4			
Dinitrophenol,2,4-	µg/L	<10	<10	<10	<10 UJ4			
Dinitrotoluene,2,4-	µg/L	<10	<10	<10	<10			
Dinitrotoluene,2,6-	µg/L	<10	<10	<10	<10			
Diphenylhydrazine,1,2-	µg/L	<10	<10	<10	<10			
Fluoranthene	µg/L	<10	<10	<10	<10			
Fluorene	µg/L	<10	<10	<10	<10			
Hexachlorobenzene	µg/L	<1.2 MDL	<1.2 MDL	<1.2 MDL	<1.2 MDL			
Hexachlorobutadiene	µg/L	<10	<10	<10	<10			
Hexachlorocyclopentadiene	µg/L	<10	<10	<10	<10			
Hexachloroethane	µg/L	<1.2 MDL	<1.2 MDL	<1.2 MDL	<1.2 MDL			
Indeno(1,2,3-cd)pyrene	µg/L	<10	<10	<10	<10			
Isophorone	µg/L	<10	<10	<10	<10			
N-nitroso-n-propylamine	µg/L	<10	<10	<10	<10			
N-nitrosodimethylamine	µg/L	<10	<10	<10	<10			
N-nitrosodiphenylamine	µg/L	<10	<10	<10	<10			
Naphthalene	µg/L	<10	<10	<10	<10			
Nitrobenzene	µg/L	<10	<10	<10	<10			
Nitrophenol,2-	µg/L	<10	<10	<10	<10 UJ4			
Nitrophenol,4-	µg/L	<10	<10	<10	<10 UJ4			
Pentachlorophenol	µg/L	<0.63 MDL	<0.63 MDL	<0.63 MDL	<0.63 UJ4MDL			
Phenanthrene	µg/L	<1.1 MDL	<1.1 MDL	<1.1 MDL	<1.1 MDL			
Phenol	µg/L	<10	<10	<10	<10 UJ4			
Propane),2,2'-oxybis(2-chloro-	µg/L	<10	<10	<10	<10			
Pyrene	µg/L	<10	<10	<10	<10			
Trichlorobenzene,1,2,4-	µg/L	<10	<10	<10	<10			
Trichlorophenol,2,4,6-	µg/L	<10	<10	<10	<10 UJ4			

Notes: 1. Printed on 04/20/98

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Table 4
SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-256	NK-SB-257	NK-SB-258	NK-SB-259			
	Sample ID	1027121	1027122	1027123	1027124			
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997			
	Sample Time	11:05	13:25	14:10	15:20			
	Sample Depth	6' - 7'	5' - 6'	4' - 7'	5' - 6'			
	Laboratory	AEL	AEL	AEL	AEL			
	Lab. Number	AEL97002622	AEL97002623	AEL97002624	AEL97002625			
Constituent	Units							
Acetone	µg/L	<4.0	<4.0	<4.0	<4.0			
Acrolein	µg/L	<15	<15	<15	<15			
Acrylonitrile	µg/L	<0.65	<0.65	<0.65	<0.65			
Benzene	µg/L	<1.0	<1.0	<1.0	<1.0			
Bromobenzene	µg/L	<1.0	<1.0	<1.0	<1.0			
Bromoform	µg/L	<1.0	<1.0	<1.0	<1.0			
Carbon Disulfide	µg/L	<1.0	<1.0	<1.0	<1.0			
Carbon Tetrachloride	µg/L	<1.0	<1.0	<1.0	<1.0			
Chlorobenzene	µg/L	<1.0	<1.0	<1.0	<1.0			
Chlorodibromomethane	µg/L	<0.50	<0.50	<0.50	<0.50			
Chloroethane	µg/L	<1.0	<1.0	<1.0	<1.0			
Chloroethyl Vinyl Ether,2-	µg/L	<1.0	<1.0	<1.0	<1.0			
Chloroform	µg/L	<1.0	<1.0	<1.0	<1.0			
Chlorotoluene,o-	µg/L	<1.0	<1.0	<1.0	<1.0			
Chlorotoluene,p-	µg/L	<1.0	<1.0	<1.0	<1.0			
Dibromomethane	µg/L	<1.0	<1.0	<1.0	<1.0			
Dichlorobenzene,1,2-	µg/L	<1.0	<1.0	<1.0	<1.0			
Dichlorobenzene,1,3-	µg/L	<1.0	<1.0	<1.0	<1.0			
Dichlorobenzene,1,4-	µg/L	<1.0	<1.0	<1.0	<1.0			
Dichlorobromomethane	µg/L	<1.0	<1.0	<1.0	<1.0			
Dichlorodifluoromethane	µg/L	<1.0	<1.0	<1.0	<1.0			
Dichloroethane,1,1-	µg/L	<1.0	<1.0	<1.0	<1.0			
Dichloroethane,1,2-	µg/L	<1.0	<1.0	<1.0	<1.0			
Dichloroethylene,1,1-	µg/L	<1.0	<1.0	<1.0	<1.0			
Dichloroethylene,1,2-cis-	µg/L	<1.0	<1.0	<1.0	<1.0			
Dichloroethylene,1,2-trans-	µg/L	<1.0	<1.0	<1.0	<1.0			
Dichloropropane,1,2-	µg/L	<1.0	<1.0	<1.0	<1.0			
Dichloropropylene,1,3-cis-	µg/L	<0.50	<0.50	<0.50	<0.50			

Notes: 1. Printed on 04/20/98

Table 4
SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER
P&W East Hartford: X-410 Former Oil Storage Rack

	Location ID	NK-SB-256	NK-SB-257	NK-SB-258	NK-SB-259			
	Sample ID	1027121	1027122	1027123	1027124			
	Sample Date	03/04/1997	03/04/1997	03/04/1997	03/04/1997			
	Sample Time	11:05	13:25	14:10	15:20			
	Sample Depth	6' - 7'	5' - 6'	4' - 7'	5' - 6'			
	Laboratory	AEL	AEL	AEL	AEL			
	Lab. Number	AEL97002622	AEL97002623	AEL97002624	AEL97002625			
Constituent	Units							
Dichloropropylene,1,3-trans-	µg/L	<0.50	<0.50	<0.50	<0.50			
Ethylbenzene	µg/L	<1.0	<1.0	<1.0	<1.0			
Hexanone,2-	µg/L	<2.0	<2.0	<2.0	<2.0			
Methyl Bromide	µg/L	<1.0	<1.0	<1.0	<1.0			
Methyl Chloride	µg/L	<1.0	<1.0	<1.0	<1.0			
Methyl Ethyl Ketone	µg/L	<2.0	<2.0	<2.0	<2.0			
Methyl-2-pentanone,4-	µg/L	<2.0	<2.0	<2.0	<2.0			
Methyl-tert-butyl Ether	µg/L	<1.0	<1.0	<1.0	<1.0			
Methylene Chloride	µg/L	<2.0	<2.0	<2.0	<2.0			
Styrene	µg/L	<1.0	<1.0	<1.0	<1.0			
Tetrachloroethane,1,1,1,2-	µg/L	<1.0	<1.0	<1.0	<1.0			
Tetrachloroethane,1,1,2,2-	µg/L	<0.50	<0.50	<0.50	<0.50			
Tetrachloroethylene	µg/L	<1.0	<1.0	<1.0	<1.0			
Toluene	µg/L	<1.0	<1.0	<1.0	<1.0			
Trichloroethane,1,1,1-	µg/L	<1.0	<1.0	<1.0	<1.0			
Trichloroethane,1,1,2-	µg/L	<1.0	<1.0	<1.0	<1.0			
Trichloroethylene	µg/L	<1.0	<1.0	<1.0	<1.0			
Trichloromonofluoromethane	µg/L	<1.0	<1.0	<1.0	<1.0			
Trichloropropane,1,2,3-	µg/L	<1.0	<1.0	<1.0	<1.0			
Vinyl Acetate	µg/L	<2.0	<2.0	<2.0	<2.0			
Vinyl Chloride	µg/L	<1.0	<1.0	<1.0	<1.0			
Xylenes (Total)	µg/L	<1.0	<1.0	<1.0	<1.0			

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